CELEBRATING 40 YEARS OF SERVICE

1-800-831-4242 · www.Jameco.com · Catalog 142 · August 2014

Programmed LED Light Show

FEATURED PRODUCTS

gabotronics — World's Smallest Oscilloscopes

NEW MARKED IN PINK

XScopes are a combination of three electronic instruments: mixed signal oscilloscope, arbitrary waveform generator and protocol sniffer. XScopes can also be used as development boards for the AVR XMEGA microcontroller. The Xprotolab and Xminilab can be plugged directly on a breadboard.

- Mixed signal oscilloscope: simultaneous sampling of 2 analog and 8 digital signals
- Arbitrary waveform generator with advanced sweep options on all the wave parameters
- Protocol sniffer: SPI, I2C, UART • Graphic OLED, 128x64 pixels, max. refresh rate 122Hz
- Spectrum analyzer with different windowing options and selectable vertical log and IQ visualization
- XY mode: for plotting Lissajous figures, V/I curves or checking the phase difference between two waveforms
- Channel math: add, multiply, invert and average
- Meter mode: VDC, VPP and frequency readout

2205915 **2205931** **2205923**

Part No.	Mfr. Part No.	Description	Display Size	Device Size (L" x W" x H")	1	5
2205940	GT-0007ℛ*	Xprotolab plain, 3.3V, PCB with headers without display	—	2.0 x 1.0	$22.95	$19.95
2205907	GT-0010ℛ	Xprotolab, 3.3V, 40-60mA, breadboard mountable	0.96" diagonal	1.6 x 1.0	54.95	49.95
2205915	GT-0005ℛ	Xminilab, 3.3V, 45-75mA, breadboard mountable	2.42" diagonal	3.3 x 1.8	74.95	69.95
2205923	GT-0012ℛ	Xprotolab portable, 3.3V/5V, 40-60mA, handheld size enclosure	1.30" diagonal	3.1 x 1.8 x 0.7	104.95	94.95
2205931	GT-0015ℛ	Xminilab portable, 3.3V/5V, 45-75mA, handheld size enclosure	2.42" diagonal	3.2 x 2.2 x 0.7	129.95	114.95

*Requires PC interface software to visualize and control the signals (see Web for download details)

JAMECO ValuePro — 10mm High-Output LEDs

NEW MARKED IN PINK

- DC forward current: 30mA
- Water clear lens
- Reverse voltage: 5V
- Viewing angle: 20 degrees
- Reverse current: 10µA
- Operating temperature: -40°C to +80°C

Part No.	Mfr. Part No.	Color	Forward Voltage	Brightness (mcd)	Wavelength (nm)	1	10	100	1000
2205296	MCD-10003URCℛ	Super Red	1.9V	1500	660	$1.29	$1.19	$1.05	$.85
2205317	MCD-10003UYCℛ	Super Yellow	2.0V	1800	589	1.29	1.19	1.05	.85
2205309	MCD-10003UECℛ	Super Orange	2.0V	2000	625	1.29	1.19	1.05	.85
2205325	MCD-10003BCℛ	Super Blue	3.5V	3000	470	1.39	1.25	1.09	.95
2205341	MCD-10003UWCℛ	Super White	3.5V	9000	—	1.39	1.25	1.09	.95
2205333	MCD-10003PCGℛ	Super Green	3.5V	11000	525	1.39	1.25	1.09	.95

NEWHAVEN DISPLAY — TFT, LCD and OLED Displays

NEW MARKED IN PINK

Bring all your colors to life with the high-resolution TFT touch panel displays, liquid-crystal displays and organic light-emitting diode displays from Newhaven. With incredible clarity and simple installation, these displays are sure to become some of your favorites.

2208438 **2208446**

Part No.	Mfr. Part No.	Description	Character x Lines	Input Voltage @ Current	Brightness (cd/m^2)	Diagonal Size	Module Size (L" x W" x H")	Pricing 1	5
2208438	NHD-7.0-800480EF-ATXL#-CTP	Capacitive TFT touchscreen	800 x 480 pixels	3.3V @ 85mA	280	7.0"	6.5 x 3.9 x 0.2	$109.95	$99.95
2208446	NHD-7.0-800480EF-ATXV#-CTP	MVA capacitive TFT touchscreen	800 x 480 pixels	3.3V @ 85mA	200	7.0"	6.5 x 3.9 x 0.2	119.95	109.95
2118598	NHD-0216K1Z-NSW-BBW-Lℛ	8-bit parallel LCD with controller	16 x 2	5.0V @ 1.5mA	—	2.5"	3.2 x 1.4 x 0.5	10.95	9.95
2118635	NHD-0220DZ-FL-YBWℛ	8-bit parallel LCD with controller	20 x 2	5.0V @ 1.5mA	—	3.4"	4.6 x 1.5 x 0.4	14.49	13.49
2137781	NHD-0216KZW-AB5	Blue OLED, parallel/serial	16 x 2	3.0/5.0V @ 30mA	125	2.7"	3.1 x 1.4 x 0.4	24.95	22.95
2137836	NHD-0420DZW-AY5	Yellow OLED, parallel/serial	20 x 4	3.0/5.0V @ 43mA	90	3.2"	3.9 x 2.4 x 0.4	29.95	27.95

Dawson — Digital Multimeters

NEW MARKED IN PINK
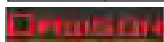
- Durability, quality and affordability is what you'll receive with this new line of multimeters and measurement tools from Dawson Tools. Get trusted results at great prices.

2206053 **2206037** **2206061** **2206045** **2193803**

Part No.	Mfr. Part No.	Display Count	Features	Size (L"xW"xH")	Includes	1	5
2206053	DDM230Bℛ	4000	Autoranging with USB interface and non-contact voltage detector, CAT IV 600V rated	7.0 x 3.3 x 2.0	Test leads, USB cable, battery, CD software	$59.95	$54.95
2208462	DDM645	20000	Audible continuity test, auto power off, transistor test, CAT III 600V & CAT II 1000V	7.7 x 3.7 x 2.2	Test leads, battery, case, user's manual	54.95	49.95
2206037	DDM30ℛ	3000	SMD tweezer, auto scan, data hold, measures resistance, capacitance and continuity	6.9 x 1.3 x 0.8	CR2032 battery, extra pair test needles, case	44.95	39.95
2206061	DDM640ℛ	2000	Audible continuity test, auto power off, data hold, transistor test, CAT III 600V rated	7.7 x 3.7 x 2.2	Test leads, battery, multi-function adapter	29.95	26.95
2206070	DDM423ℛ	2000	Temperature function, data hold, IP54 waterproof, ETL certified, CAT II 600V rated	5.7 x 3.0 x 1.6	Test leads, battery	14.95	12.95
2206045	DET300ℛ	—	Outlet socket tester, 3-wire/GFCI, 110-125VAC voltage range, easy to read LEDs	3.2 x 1.6 x 1.3	Outlet socket tester	14.95	12.95
2193803	DDM180ℛ	1999	Audible continuity test, low battery/over-range/polarity indication, CAT II 600V rated	9.4 x 3.7 x 1.9	Test leads, battery, soft case, user's manual	10.95	9.95
2208163	DET161ℛ	—	Non-contact AC voltage detector, pen-type, 100-240VAC @ 50-60Hz, CAT III 600V	5.8 x 0.8 x 1.0	Two AAA batteries	8.95	8.49

RC Logger — RC Eye One Quadcopters

Self-stabilizing, robust 4-rotor frame and smart flight control system is safe and easily maneuverable for beginners. 3 flight modes to match your experience.

Includes: Quadcopter, 7.4V/350mA LiPo battery, USB LiPo charger, RC, replacement rotors, two AAA.

NEW MARKED IN PINK

2204381: 2.4GHz, landing gear upgrade, 25% more power in Sport mode, stronger MOSFETs, acrobatic flip ability

2204381

Part No.	Description	1	5
2204373	915 MHz Quadcopter	$59.95	$54.95
2204381	2.4 GHz Quadcopter	79.95	74.95
2204390	Crash Pack for 2204381 (4 motors & 4 propellers)	21.95	19.95
2204402	2x LiPo batteries & charger	24.95	22.95

velleman — 3D Printer Kit

Put together a kit that will create anything you can imagine! Print objects using PLA or ABS filament 3mm plastic wire at high speeds and precise construction.

- Linear ball bearings: 8 and 10mm
- Movement: 4 NEMA 17 stepper motors
- Dimensions of printable area: 7.87" x 7.87" x 7.87"
- Technology: FFF (Fused Filament Fabrication) for PLA and ABS
- Typical printing speed: 120 mm/s • Dimensions: 19.7"W x 16.5"D x 24.4"H
- Maximum print speed: 150 to 300 mm/s (depending on the object to be printed)
- Software: Repetier version 0.84 and up, www.repetier.com
- Includes: 5 meter PLA black sample • Weight: 19.84 lbs.

Part No.	Mfr. Part No.	Description	Price
2184561	K8200	DIY 3D printer kit	$799.95

We're Just Getting Started!

In 1974, Dennis Farrey noticed that large electronic distributors were neglecting the smaller hobbyist market and had a "light-bulb" moment. Working out of his home and garage, Dennis gathered about 100 popular electronic components and decided to run an ad in *Radio Electronics* magazine to test if he could get enough orders to sustain a business. Jameco was just getting started.

The ad successfully generated orders as well as unexpected requests for catalogs. Not wanting to disappoint, Dennis took an 11x17 sheet of paper, folded it in half and printed 500 copies of a simple, front-to-back, black and white catalog with grayscale images. Soon corporate accounts, schools and universities took notice of Jameco's commitment to surprisingly low prices. Orders started to pour in and the catalog expanded to accommodate a larger assortment of products.

Forty years later, James Farrey is Jameco's second generation CEO and namesake. He has kept the catalog a priority and a cornerstone of Jameco Electronics. Today, the full-color catalogs are available digitally and in print, and millions have been mailed around the world.

Dennis and James Farrey

The Farrey Family has seen some dramatic evolution in the industry, from demand for 1KB RAM to demand for wireless technology. The business has evolved just as much, but one thing remains constant: Jameco's commitment to providing customers with a large selection of high-quality products, low prices and excellent service.

Reflecting on Jameco's practical beginnings, it's hard to believe it's already been 40 years. To us, it feels like we're just getting started.

Look for the newest Forrest M. Mims III puzzler on page 147.

The Jameco Difference

Customer Service

We work hard to provide the best customer service in the industry. Our management team's first priority is listening and responding to customer feedback. You can email the management team directly at Management@Jameco.com with your feedback and expect a prompt and personal response.

Improved Shipping Options

Jameco has been hard at work expanding shipping options which for many have significantly reduced shipping costs. Whether you are looking for low pricing on air shipping or just want it as inexpensive as possible, Jameco's expanded options start at less than $4.

Low Price Options

We've designed low prices into our process. Jameco carries three low-priced options from Brand Names, to Jameco's House Brands to Jameco Special Buys.

We are franchised distributors for over 200 Brand Name products and we actively price these products below our competitors. We also are famous for our Jameco House Brands (ValuePro, ReliaPro, BenchPro and KitPro) where we provide the same core functionality at a fraction of the price. But we take low pricing a step further with our Special Buys. Look for green pricing coding throughout the catalog for our best priced products.

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Catalog Tools

Jump from catalog to website seamlessly with Jameco's exclusive Web Code: By simply entering the three character code into the Jameco.com search box you'll find more information, additional web-only products and the latest pricing and availability information. Don't search; simply step from catalog to the website without missing a beat.

Enter the web code in the product search box

★Network ICs — Enter Web Code JEQ

Prices are effective 7-7-2014.
Prices and discounts are subject to change without notice.

Semiconductors

IC Index

Package Illustrations for Pages 3 through 18

BGA	DF	D2PAK/DDPAK	DIP/CDIP/FDIP/PDIP	DO-7/DO-15/DO-35/DO-41/DO-201/DO-204/DO-204AL/Case-267	DO-201AD/DO-27A	DO-5	Fast-On	GBPC/179-01/TB35	KBP/BR8B
LCC	LQFP/STQFP/TQFP	MB-35	Micro SMD	MQFP	MW	PLCC	PWAT	QFN	SC70
SIP	SMA/SMB/SMC/DO-214AB	SO	SOD-123	SOIC/SOJ/SOP	SOT-143/SOT-363/SuperSOT-6	TO-218/TO-220/TO-220AB/TO-220F	SOT-223/SOT-89	SOT-23/Micro-3/SuperSOT-3	SSOP/MSOP
Super-247	T6L	TO-18	TO-22AB	TO-225	TO-46/TO-52	TO-247AC	TO-247/TO-251	TO-252	TO-252AA
TO-263	TO-3	TO-39	TO-3P/TO-202	TO-5	TO-65	TO-72	TO-92	TSSOP	W0G/W0M

Please refer to data sheets at www.Jameco.com for more detailed illustrations and specifications

JAMECO.COM

Semiconductors

7400 Series
★ Web Code: XAG

Part No.	☀Mfr.	Product No.	Pkg.	Description	1	10	100
48979	◆	7400N**	DIP-14	Quad 2-input pos. NAND gate	$1.35	$1.09	$.85
910901	TI	SN7400N℟	DIP-14	Quad 2-input pos. NAND gate	1.45	1.19	.95
49015	◆	7402N*	DIP-14	Quad 2-input pos. NOR gate	1.95	1.69	1.39
49040	◆	7404N**	DIP-14	Hex inverter	1.59	1.35	1.19
49074	◆	7405N*	DIP-14	Hex inverter (O.C.)	1.29	1.15	.95
49091	◆	7406N**	DIP-14	Hex inverter buffer/driver	.79	.69	.55
49120	◆	7407N**	DIP-14	Hex buffer/driver	.75	.65	.55
49146	◆	7408N*	DIP-14	Quad 2-input pos. AND gate	2.49	2.25	1.95
49189	◆	7410N*	DIP-14	Triple 3-input pos. NAND gate	1.49	1.35	1.19
49402	◆	7413N	DIP-14	Dual 4-input pos. NAND gate	.99	.89	.79
49437	◆	7414N*	DIP-14	Hex schmitt-trigger inverter	1.29	1.15	.95
49630	◆	7416N*	DIP-14	Hex inverter buffer/driver (O.C.)	1.39	1.19	.95
49728	◆	7417N*	DIP-14	Hex buffer/driver (O.C. hi-volt.)	1.39	1.19	.95
50008	◆	7420N*	DIP-14	Dual 4-input NAND gate	.99	.89	.75
50139	◆	7427N*	DIP-14	Triple 3-input NOR gate	1.09	.99	.89
50198	◆	7428N	DIP-14	Quad 2-input pos. NAND gate	.89	.79	.69
50227	◆	7430N*	DIP-14	8-input NAND gate	.99	.89	.79
50235	◆	7432N*	DIP-14	Quad 2-input pos. OR gate	1.95	1.75	1.45
50315	◆	7438N*	DIP-14	Quad 2-input NAND buffer	1.09	.99	.89
50374	◆	7442N	DIP-16	4 line BCD to 10 line decimal decoder	1.95	1.75	1.49
50403	◆	7445N	DIP-16	BCD-to-decimal decoder/driver	2.49	2.25	1.75
50420	◆	7447N*	DIP-16	BCD-to-7 seg. decoder/driver	2.75	2.49	2.25
50534	◆	7473N	DIP-14	Dual J-K neg-edge-triggered flip-flop	1.95	1.75	1.59
50551	◆	7474N**	DIP-14	Dual D type flip-flop	1.95	1.75	1.49
50577	◆	7475N	DIP-16	4-bit bistable latch	2.75	2.49	2.25
50593	◆	7476N	DIP-16	Dual J-K pos-edge-triggered flip-flop	2.95	2.65	2.39
50631	◆	7483N	DIP-16	4-bit binary full adder	2.95	2.75	2.49
50657	◆	7485N*	DIP-16	4-bit magnitude comparator	2.49	2.25	1.95
50665	◆	7486N	DIP-14	Quad 2-input exclusive OR gate	2.25	2.09	1.95
50681	◆	7489N	DIP-16	64-bit read/write memory	3.95	3.75	3.49
50690	◆	7490N	DIP-14	Asynchronous decade counter	2.95	2.65	2.39
50745	◆	7493N	DIP-14	4-bit binary counter	2.25	1.95	1.75
50770	◆	7495N	DIP-14	4-bit parallel-access shift register	2.25	1.95	1.75
49234	◆	74107N*	DIP-14	Dual J-K flip-flop with clear	1.19	1.09	.95
49322	◆	74121N*	DIP-14	Monostable multivibrator	3.25	2.95	2.75
49357	◆	74123N*	DIP-16	Dual monostable multivibrator	3.95	3.49	2.95
49509	◆	74150N	DIP-24	1-of-16 data selector/multiplexer	3.75	3.25	2.75
49525	◆	74151N*	DIP-16	1-of-8 data selector/multiplexer	.79	.69	.45
49550	◆	74153N*	DIP-16	Dual 4-to-1 data selector/multiplexer	.99	.89	.79
49568	◆	74154N	DIP-24	4-to-16 line decoder/demultiplexer	3.25	2.95	2.75
49584	◆	74155N	DIP-16	Dual 2-to-4 line decoder/demultiplexer	.99	.79	.59
49605	◆	74157N*	DIP-16	Quad 2-to-1 line data selector	1.29	1.19	1.09
49648	◆	74160N*	DIP-16	Synchronous decade counter	.89	.79	.69
49664	◆	74161N	DIP-16	4-bit synchronous binary counter	.89	.79	.69
49681	◆	74164N	DIP-14	8-bit serial shift register	.89	.79	.59
49779	◆	74174N*	DIP-16	Hex D-type flip-flop with clear	1.19	1.09	.95
49795	◆	74175N*	DIP-16	Quad D-type flip-flop with clear	1.35	1.25	1.15
49883	◆	74189N	DIP-16	Tri-state 64-bit RAM	2.95	2.75	2.49
49904	◆	74191N	DIP-16	Synch. 4-bit up/down binary counter	1.95	1.75	1.49
49912	◆	74192N	DIP-16	Synch. 4-bit up/down decade counter	3.95	3.75	3.49
49939	◆	74193N	DIP-16	Synch. 4-bit up/down binary counter	2.95	2.75	2.49
49955	◆	74194N	DIP-16	4-bit bi-directional shift register	1.95	1.75	1.49

*10 pcs./ **20 pcs. in 7400 series IC cabinet kit, top right

★74AC/ACT/AHC/ALS Series Online — Enter Web Code CBA

★74ALS/ALVC Series Online — Enter Web Code SVC

TTL Logic Data Book (1988)
Texas Instruments Contains specifications and technical information on a broad line of TTL integrated circuits including Schottky TTL circuits. (1240 pages)

Last Edition

Part No.	Description	Size (in.)	Wt. (lbs.)	1	5
88225	TTL Logic Data Book	6.0" x 8.5"	2.6	$19.95	$17.95

7400 Series IC Kit
★ Web Code: CKS

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 142 and 30 adhesive labels for drawers to identify parts in kit

10 each: 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420, 7427, 7430, 7432, 7438, 7447, 7485, 74107, 74121, 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279

20 each: 7400, 7404, 7406, 7407, 7474

Part No.	Description	Wt. (lbs.)	1	5
84953	350 pcs. 7400 IC kit	6.2	$219.95	$199.95

74C Series
Please Note: Manufacturer may vary   ★ Web Code: RAG

Part No.	Product No.	Pkg.	Description	1	10	100
44222	74C00N	DIP-14	Quad 2-input pos. NAND gate	$2.49	$2.25	$1.75
44257	74C14N	DIP-14	Hex schmitt-trig. inverter (CD40106)	2.49	2.25	1.95
44361	74C221N	DIP-16	Dual monostable multivibrator	3.95	3.49	3.25
44409	74C374N	DIP-20	Octal D-type flip-flop	1.95	1.49	1.25
44521	74C912N	DIP-28	6-digit BCD display controller/driver	1.95	1.49	1.25
44564	74C922N	DIP-18	16-key keyboard encoder	8.95	7.95	7.25
44572	74C923N	DIP-20	20-key keyboard encoder	7.95	6.95	6.25
44599	74C926N	DIP-18	4-digit counter w/ 7-seg. output driver	12.95	11.95	10.95

74F Series
Please Note: Manufacturer may vary   ★ Web Code: CEN

Part No.	Product No.	Pkg.	Description	1	10	100
287021	74F14N	DIP-14	Hex schmitt trigger inverter	$.79	$.69	$.59
287048	74F32N	DIP-14	Quad 2-input pos. OR gate	.29	.25	.22
287620	74F74D	SOIC-14	Dual D-type flip-flop	.35	.29	.25
287056	74F74N	DIP-14	Dual D-type flip-flop	.49	.45	.29
287064	74F86N	DIP-14	Quad 2-input exclusive OR gate	.39	.29	.25
44839	74F374N	DIP-20	Octal D-type flip-flop	.59	.49	.39

74HC Series
★ Web Code: SDJ

Part No.	☀Mfr.	Product No.	Pkg.	Description	1	10	100
45161	◆	74HC00N	DIP-14	Quad 2-input pos. NAND gate	$.35	$.25	$.19
906339	NXP	74HC00N℟	DIP-14	Quad 2-input pos. NAND gate	.79	.65	.55
45188	◆	74HC02N	DIP-14	Quad 2-input pos. NOR gate	.35	.25	.19
45209	◆	74HC04N	DIP-14	Hex inverter	.35	.25	.19
250982	TI	SN74HC04N	DIP-14	Hex inverter	.39	.29	.25
906574	NXP	74HC04N℟	DIP-14	Hex inverter	.69	.59	.49
45225	◆	74HC08N	DIP-14	Quad 2-input pos. AND gate	.35	.25	.19
251002	TI	SN74HC08N	DIP-14	Quad 2-input pos. AND gate	.45	.39	.25
45364	◆	74HC14N	DIP-14	Hex schmitt-trigger inverter	.35	.25	.19
251045	TI	SN74HC14N	DIP-14	Hex schmitt-trigger inverter	.39	.29	.25
45794	◆	74HC32N	DIP-14	Quad 2-input pos. OR gate	.35	.25	.19
251088	TI	SN74HC32N	DIP-14	Quad 2-input pos. OR gate	.39	.29	.25
46130	◆	74HC74N	DIP-14	Dual D-type fip-flop	.35	.25	.19
46156	◆	74HC75N	DIP-16	4-bit bi-stable latch	.59	.49	.39
46181	◆	74HC86N	DIP-14	Quad 2-input exclusive OR gate	.35	.25	.19
45305	◆	74HC125N	DIP-14	Tri-state quad bus buffer	.35	.29	.19
45321	◆	74HC132N	DIP-14	Quad 2-input NAND schmitt trigger	.39	.29	.19
45330	◆	74HC138N	DIP-16	3-to-8 line decoder/demultiplexer	.39	.29	.19
897049	TI	CD74HC147E℟	DIP-16	Encoder 9-to-4 priority CMOS	.55	.45	.35
45401	◆	74HC154N	DIP-24	4-to-16 line decoder (0.3" wide)	1.19	1.09	.95
45487	◆	74HC164N	DIP-14	8-bit serial shift register	.35	.25	.15
251328	TI	SN74HC164N	DIP-14	8-bit serial shift register	.39	.29	.19
45495	◆	74HC165N	DIP-16	8-bit parallel load shift register	.35	.29	.19
251336	TI	SN74HC165N	DIP-16	8-bit parallel load shift register	.39	.35	.25
45541	◆	74HC192N	DIP-16	Synch. 4-bit up/down decade counter	.59	.49	.39
45655	◆	74HC244N	DIP-20	Tri-state octal buffer/line driver	.39	.35	.25
45671	◆	74HC245N	DIP-20	Tri-state octal buffer/line driver	.39	.35	.25
45743	◆	74HC273N	DIP-20	Octal D-type flip-flop	.39	.35	.25
45831	◆	74HC373N	DIP-20	Octal D-type transparent latch	.45	.35	.25

☀ NXP = NXP/Philips | TI = Texas Instruments | ◆ Major Brands

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Semiconductors

74HC Series (Continued)

★ Web Code: SDJ

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
45858	✦	74HC374N	DIP-20	Octal D-type flip-flop	$.45	$.35	$.25
46050	✦	74HC541N	DIP-20	Tri-state octal buffer/line driver	.39	.35	.29
46076	✦	74HC573N	DIP-20	3-st. octal D-type transparent latch	.39	.29	.25
46084	✦	74HC574N	DIP-20	Tri-state octal D-type flip-flop	.39	.35	.25
46105	✦	74HC595N	DIP-16	8-bit shift register w/ output latch ..	.39	.35	.25
251643	TI	SN74HC595N	DIP-16	8-bit shift register w/ output latch ...	.45	.39	.29
911189	NXP	74HC595N℞	DIP-16	8-bit shift register w/ output latch ..	.89	.79	.69
45891	✦	74HC4017N	DIP-16	Hi speed decade counter/divider	.45	.39	.35
45920	✦	74HC4040N	DIP-16	12-bit asynch. binary counter	.39	.35	.29
45971	✦	74HC4066N	DIP-14	Quad bilateral analog switch	.45	.39	.35

74HCT Series

Please Note: Manufacturer may vary
★ Web Code: SAG

Part No.	Product No.	Pkg.	Description	1	10	100
44871	74HCT00N	DIP-14	Quad 2-input pos. NAND gate	$.29	$.25	$.22
44898	74HCT04N	DIP-14	Hex inverter	.29	.25	.19
44901	74HCT08N	DIP-14	Quad 2-input pos. AND gate	.29	.25	.22
44935	74HCT14N	DIP-14	Hex schmitt-trigger inverter	.29	.25	.22
45137	74HCT74N	DIP-14	Dual D-type flip-flop	.39	.29	.19
45145	74HCT86N	DIP-14	Quad 2-input exclusive OR gate ...	.49	.39	.35
44927	74HCT138N	DIP-16	3-to-8 decoder/demultiplexer	.39	.29	.19
45022	74HCT244N	DIP-20	Tri-state octal buffer/line driver	.35	.29	.25
45031	74HCT245N	DIP-20	Tri-state octal bus transceiver	.39	.35	.29
45065	74HCT373N	DIP-20	Octal D-type transparent latch	.29	.25	.15
45073	74HCT374N	DIP-20	Octal D-type flip-flop	.45	.39	.35
45090	74HCT573N	DIP-20	3-st. octal D-type transparent latch ...	.45	.39	.29
45129	74HCT688N	DIP-20	8-bit magnitude comparator	.69	.59	.49

74LS Series

★ Web Code: NBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
46252	✦	74LS00N**	DIP-14	Quad 2-input pos. NAND gate	$.45	$.39	$.35
283725	TI	SN74LS00N	DIP-14	Quad 2-input pos. NAND gate	.49	.45	.39
46287	✦	74LS02N**	DIP-14	Quad 2-input pos. NOR gate	.39	.35	.29
283741	TI	SN74LS02N	DIP-14	Quad 2-input pos. NOR gate	.45	.39	.35
46308	✦	74LS03N	DIP-14	Quad 2-input pos. NAND gate (O.C.)	.59	.49	.45
46316	✦	74LS04N**	DIP-14	Hex inverter	.49	.39	.35
283792	TI	SN74LS04N	DIP-14	Hex inverter	.55	.45	.39
46341	✦	74LS05N*	DIP-14	Hex inverter (O.C.)	.69	.59	.49
46359	✦	74LS06N	DIP-14	Hex inverter buffer/driver	.75	.65	.55
46367	✦	74LS07N	DIP-14	Hex buffer/driver	.75	.65	.55
46375	✦	74LS08N**	DIP-14	Quad 2-input pos. AND gate	.45	.39	.35
295401	TI	SN74LS08N	DIP-14	Quad 2-input pos. AND gate......	.49	.45	.39
46391	✦	74LS09N	DIP-14	Quad 2-input pos. AND gate (O.C.)	.69	.59	.49
46404	✦	74LS10N*	DIP-14	Triple 3-input pos. NAND gate	.59	.49	.39
46439	✦	74LS11N*	DIP-14	Triple 3-input pos. AND gate	.65	.55	.45
46640	✦	74LS14N*	DIP-14	Hex schmitt-trigger inverter	.49	.39	.35
295460	TI	SN74LS14N	DIP-14	Hex schmitt-trigger inverter	.55	.45	.39
47095	✦	74LS20N*	DIP-14	Dual 4-input NAND gate	.79	.69	.59
47108	✦	74LS21N	DIP-14	Dual 4-input AND gate	.59	.49	.39
47378	✦	74LS27N	DIP-14	Triple 3-input NOR gate	.89	.69	.59
47458	✦	74LS30N*	DIP-14	8-input NAND gate	.69	.59	.49
47466	✦	74LS32N**	DIP-14	Quad 2-input pos. OR gate	.45	.35	.29
295515	TI	SN74LS32N	DIP-14	Quad 2-input pos. OR gate...........	.49	.39	.35
47773	✦	74LS42N	DIP-14	4 line BCD to 10 line decimal decoder	1.75	1.49	1.25
47790	✦	74LS47N*	DIP-16	BCD-to-7 seg. decoder/driver	1.49	1.29	1.09
295582	TI	SN74LS47N	DIP-16	BCD-to-7 seg. decoder/driver	1.55	1.35	1.15
47811	✦	74LS48N	DIP-16	BCD-to-7 seg. decoder/driver ...	3.95	3.49	2.95
47992	✦	74LS73N*	DIP-14	Dual J-K neg-edge-triggered flip-flop	1.69	1.49	1.25
48004	✦	74LS74N**	DIP-14	Dual D-type flip-flop	.45	.39	.29

*10 pcs./ **20 pcs. in 74LS series IC cabinet kit, pg 5

74LS Series (Continued)

★ Web Code: NBS

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
295726	TI	SN74LS74AN	DIP-14	Dual D-type flip-flop	$.49	$.45	$.35
48021	✦	74LS75N*	DIP-16	4-bit bi-stable latch	1.59	1.39	1.19
48039	✦	74LS76N	DIP-16	Dual J-K pos-edge-triggered flip-flop	1.49	1.35	1.19
48063	✦	74LS83N	DIP-16	4-bit binary full adder	2.19	1.99	1.79
48071	✦	74LS85N*	DIP-16	4-bit magnitude comparator	.99	.89	.75
48098	✦	74LS86N*	DIP-14	Quad 2-input exclusive OR gate ...	.45	.39	.29
295751	TI	SN74LS86AN	DIP-14	Quad 2-input exclusive OR gate ...	.49	.45	.35
48119	✦	74LS90N*	DIP-14	Asynchronous decade counter ...	1.95	1.75	1.49
295769	TI	SN74LS90N	DIP-14	Asynchronous decade counter ...	2.09	1.85	1.59
48143	✦	74LS92N	DIP-14	Divide-by-12 decade counter	1.95	1.75	1.49
48151	✦	74LS93N*	DIP-14	4-bit binary counter	1.29	1.09	.95
295822	TI	SN74LS93N	DIP-14	4-bit binary counter	1.39	1.19	1.05
46412	✦	74LS107N	DIP-14	Dual J-K flip-flop with clear	1.09	.99	.89
46421	✦	74LS109N	DIP-16	Dual J-K bar flip-flop	.99	.89	.79
46447	✦	74LS112N	DIP-16	Dual J-K neg-edge-triggered flip-flop	.65	.55	.45
46471	✦	74LS122N	DIP-14	Retriggerable monostable multivib.	.89	.79	.69
46480	✦	74LS123N*	DIP-16	Dual monostable multivibrator	.59	.49	.39
300880	TI	SN74LS123N	DIP-16	Dual monostable multivibrator	.65	.55	.45
46501	✦	74LS125N*	DIP-16	Tri-state quad bus buffer	.65	.55	.45
46527	✦	74LS126N	DIP-16	Tri-state quad bus buffer	.65	.55	.45
46551	✦	74LS132N	DIP-14	Quad 2-input NAND schmitt trigger	.69	.59	.49
46607	✦	74LS138N**	DIP-16	3-to-8 decoder/demultiplexer	.65	.55	.45
301233	TI	SN74LS138N	DIP-16	3-to-8 decoder/demultiplexer	.69	.59	.49
46623	✦	74LS139N*	DIP-16	Dual 2-to-4 decoder/demultiplexer	.65	.55	.45
301268	TI	SN74LS139AN	DIP-16	Dual 2-to-4 decoder/demultiplexer	.69	.59	.49
46666	✦	74LS145N	DIP-16	BCD-to-decimal decoder/driver	.89	.79	.65
46682	✦	74LS148N	DIP-16	8-to-3 line priority encoder	1.19	1.09	.95
46703	✦	74LS151N*	DIP-16	1-to-8 data selector/multiplexer ...	.75	.65	.55
46720	✦	74LS153N	DIP-16	Dual 4-to-1 data selector/multiplexer	.75	.65	.55
46738	✦	74LS154N	DIP-24	4-to-16 line decoder/demultiplexer	4.95	4.49	4.25
46754	✦	74LS155N*	DIP-16	Dual 2-to-4 line decoder/demultiplexer	1.19	1.09	.95
46771	✦	74LS157N*	DIP-16	Quad 2-to-1 line data selector	.65	.55	.45
46800	✦	74LS160N	DIP-16	Synchronous decade counter	2.49	2.25	2.05
46818	✦	74LS161N	DIP-16	4-bit synchronous binary counter	.59	.49	.45
46842	✦	74LS163N	DIP-16	Synchronous 4-bit binary counter	.65	.55	.45
46851	✦	74LS164N	DIP-14	8-bit serial shift register	.65	.55	.45
46877	✦	74LS165N	DIP-16	8-bit parallel load shift register	.65	.55	.45
46885	✦	74LS166N	DIP-16	Serial-out shift register	.89	.79	.59
46906	✦	74LS169N	DIP-16	Synch. 4-bit binary up/down counter	.99	.89	.79
46922	✦	74LS173N	DIP-16	4-bit D-type register w/ 3-state output	1.09	.99	.89
46931	✦	74LS174N*	DIP-16	Hex D-type flip-flop with clear	.75	.65	.55
46957	✦	74LS175N*	DIP-16	Quad D-type flip-flop with clear	.69	.59	.49
46973	✦	74LS181N	DIP-24	Arithmetic logic unit/function generator	3.95	3.49	3.25
46990	✦	74LS190N	DIP-16	Synchronous up/down decade counter	2.95	2.75	2.49
47001	✦	74LS191N	DIP-16	Synch. 4-bit up/down binary counter	.85	.75	.65
47010	✦	74LS192N	DIP-16	Synch. 4-bit up/down decade counter	3.49	3.25	2.95
47036	✦	74LS193N*	DIP-16	Synch. 4-bit up/down binary counter	.79	.69	.59
301831	TI	SN74LS193N	DIP-16	Synch. 4-bit up/down binary counter	.89	.79	.69
47052	✦	74LS194N	DIP-16	4-bit bi-directional shift register .	1.09	.99	.79
47061	✦	74LS195N	DIP-16	4-bit parallel-access shift register	1.49	1.29	1.15
47124	✦	74LS221N	DIP-16	Dual monostable multivibrator	.95	.85	.75
47141	✦	74LS240N*	DIP-20	Octal buffer/line driver	.69	.55	.45
47167	✦	74LS241N	DIP-20	Tri-state octal buffer/line driver ...	.69	.59	.49
47183	✦	74LS244N*	DIP-20	Tri-state octal buffer/line driver ...	.65	.55	.45
308312	TI	SN74LS244N	DIP-20	Tri-state octal buffer/line driver ...	.69	.59	.49
47212	✦	74LS245N*	DIP-20	Tri-state octal bus transceiver	.65	.55	.45
308321	TI	SN74LS245N	DIP-20	Tri-state octal bus transceiver	.75	.65	.55
47247	✦	74LS247N	DIP-16	BCD to 7-seg. decoder/driver	1.39	1.25	1.09
47327	✦	74LS259N	DIP-16	8-bit addressable latch	.89	.79	.69
47360	✦	74LS266N	DIP-14	Quad 2-input exclusive NOR gate (O.C.)	.89	.79	.69

*10 pcs./ **20 pcs. in 74LS series IC cabinet kit, pg 5

* NXP = NXP/Philip Semiconductor | TI = Texas Instruments | ✦ Major Brands

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Semiconductors

74LS Series (Continued)

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
47386	✦	74LS273N★	DIP-20	Octal D-type flip-flop	$.69	$.55	$.45
47407	✦	74LS279N	DIP-16	Quad S-R latch	.89	.79	.69
47423	✦	74LS283N	DIP-16	4-bit binary full add w/ fast carry	1.09	.99	.89
47562	✦	74LS367N	DIP-16	Tri-state hex buffer	.89	.79	.69
309278	TI	SN74LS368AN	DIP-16	6-bit buffer/line driver	.95	.85	.75
47600	✦	74LS373N★	DIP-20	Octal D-type transparent latch	.69	.55	.45
308460	TI	SN74LS373N	DIP-20	Octal D-type transparent latch	.79	.65	.55
47634	✦	74LS374N★	DIP-20	Octal D-type flip-flop	.69	.55	.45
308478	TI	SN74LS374N	DIP-20	Octal D-type flip-flop	.79	.65	.55
47669	✦	74LS377N	DIP-20	Octal D-type flip-flop	.99	.89	.79
47722	✦	74LS390N	DIP-16	Dual 4-bit decade counter	1.35	1.15	.95
47731	✦	74LS393N	DIP-14	Dual 4-bit binary counter	.85	.75	.65
47861	✦	74LS540N	DIP-20	Tri-state octal buffer/line driver	1.29	1.09	.95
47870	✦	74LS541N	DIP-20	Tri-state octal buffer/line driver	.95	.85	.75
64418	✦	74LS573N	DIP-20	Tri-state octal D-type flip flop	3.49	2.95	2.49
47976	✦	74LS670N	DIP-16	4 x 4 register file	1.75	1.49	1.25
309260	✦	74LS682N	DIP-20	8-bit magnitude/identity comp.	1.75	1.49	1.25
47984	✦	74LS688N	DIP-20	8-bit identity comparator	1.19	1.05	.89

*10 pcs. in 74LS series IC cabinet kit, below

74LS Series IC Kit

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 142 and 30 adhesive labels for drawers to identify parts in kit

10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90, 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374

20 each: 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	Wt. (lbs.)	1	5
84961	420 pcs. 74LS IC kit	6.7	$169.95	$153.95
130391	Refill for 84961 (420 pcs.)	2.0	154.95	139.95

74S Series

Please Note: Manufacturer may vary

Part No.	Product No.	Pkg.	Description	1	10	100
676959	74S00N	DIP-14	Quad 2-input NAND gate	$.89	$.79	$.69
48266	74S02N	DIP-14	Quad 2-input NOR gate	.69	.59	.49
48303	74S08N	DIP-14	Quad 2-input AND gate	.69	.59	.49
48750	74S32N	DIP-14	Quad 2-input positive OR gate	.89	.79	.69
48952	74S85N	DIP-16	4-bit magnitude comparator	1.19	1.09	.99
48961	74S86N	DIP-14	Quad 2-input exclusive OR gate	.89	.79	.69
48696	74S287N	DIP-16	(256 x 4) 1024-bit TTL PROM (TBP24S10)	4.95	3.95	3.25
52513	74S428N	DIP-28	System controller/bus driver (8228)	4.95	4.49	3.95
48910	74S571N	DIP-16	(512 x 4) 2048-bit TTL PROM (AM27S13)	4.95	3.95	2.95

4000 Series

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
12562	✦	CD4001★★	DIP-14	Quad 2-input NOR gate	$.39	$.35	$.29
675964	✦	CD4002	DIP-14	Dual 4-input NOR gate	.39	.35	.29
12597	✦	CD4007	DIP-14	Dual complimentary pair plus inv.	.39	.35	.29
12634	✦	CD4011★★	DIP-14	Quad 2-input NAND gate	.39	.35	.29
893283	TI	CD4011BE℞	DIP-14	Quad 2-input NAND gate	.45	.39	.35
12677	✦	CD4013★★	DIP-14	Dual D-type flip-flop	.35	.29	.25
893443	TI	CD4013BE℞	DIP-14	Dual D-type flip-flop	.39	.35	.29
12706	✦	CD4015★	DIP-16	Dual 4-stage static shift register	.39	.35	.29
12722	✦	CD4016★	DIP-14	Quad bilateral switch	.35	.29	.25
12749	✦	CD4017★	DIP-16	Decade counter/divider	.45	.35	.29
893611	TI	CD4017BE℞	DIP-16	Decade counter/divider	.49	.39	.35
12773	✦	CD4018	DIP-16	Presettable divide-by-N counter	.39	.35	.25
12802	✦	CD4020★	DIP-16	14-st. ripple carry binary counter	.39	.35	.29

*10 pcs./**20 pcs. in 4000 series IC cabinet kit, right

4000 Series (Continued)

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
12829	✦	CD4021	DIP-16	8-stage static shift register	$.39	$.35	$.29
12845	✦	CD4023★	DIP-14	Triple 3-input NAND gates	.35	.29	.25
12853	✦	CD4024★	DIP-14	7-stage ripple carry binary counter	.39	.29	.22
353560	✦	CD4026	DIP-16	Decade counter/divider	.45	.35	.29
12888	✦	CD4027★	DIP-16	Dual J-K master/slave flip-flop	.39	.35	.29
12909	✦	CD4028	DIP-16	BCD-to-decimal decoder	.45	.35	.25
12925	✦	CD4029	DIP-16	Preset up/down binary counter	.45	.39	.35
12950	✦	CD4040★	DIP-16	12-stage binary/ripple counter	.45	.35	.29
12992	✦	CD4043	DIP-16	Tri-state quad NOR R/S latch	.39	.35	.25
13012	✦	CD4046★	DIP-16	Micropower phase lock loop	.49	.39	.35
13039	✦	CD4047	DIP-14	Monostable/astable multivibrator	.39	.35	.29
13055	✦	CD4049★★	DIP-16	Hex inverting buffer/converter	.39	.35	.29
13071	✦	CD4050★	DIP-16	Hex non-inverting buffer/converter	.39	.35	.29
13098	✦	CD4051★	DIP-16	Single 8-ch analog multiplexer	.39	.35	.29
894391	TI	CD4051BE℞	DIP-16	Single 8-ch analog multiplexer	.45	.39	.35
13119	✦	CD4052	DIP-16	Dual 4-ch analog multiplexer	.49	.39	.25
13127	✦	CD4053	DIP-16	Triple 2-ch analog multiplexer	.35	.25	.22
13151	✦	CD4060	DIP-16	14-st. ripple carry binary counter	.45	.35	.29
13186	✦	CD4066★★	DIP-14	Quad bilateral switch	.35	.29	.25
13215	✦	CD4067	DIP-24	Single 16-ch analog multiplexer	1.95	1.75	1.49
13231	✦	CD4069★	DIP-14	Hex inverters (74C04)	.39	.35	.29
894761	TI	CD4069UBE℞	DIP-14	Hex inverters	.29	.25	.19
13258	✦	CD4070★	DIP-14	Quad 2-input exclusive OR gate	.35	.29	.25
13274	✦	CD4071★	DIP-14	Quad 2-input OR gate	.39	.35	.29
676086	✦	CD4073	DIP-14	Triple 3-input AND gate	.39	.35	.29
676094	✦	CD4075	DIP-14	Triple 3-input OR gate	.45	.35	.29
676107	✦	CD4077	DIP-14	Quad exclusive NOR gate	.35	.25	.22
676115	✦	CD4078	DIP-14	8-input NOR/OR gate	.35	.29	.19
13354	✦	CD4081★	DIP-14	Quad 2-input AND gate	.39	.35	.29
676123	✦	CD4082	DIP-14	Dual 4-input AND gate	.39	.35	.29
13400	✦	CD4093★	DIP-14	Quad 2-input NAND schmitt trig.	.39	.35	.29
818873	TI	CD4093BE℞	DIP-14	CMOS 2-input NAND gate	.45	.39	.35
870807	NSC	CD4093BCN	DIP-14	Quad 2-input NAND schmitt trig.	.59	.49	.45
13426	✦	CD4094	DIP-16	8-bit shift register with latch	.45	.39	.29
13442	✦	CD4099	DIP-16	8-bit addressable latch	.39	.29	.19
13485	✦	CD4510	DIP-16	BCD presettable up/down counter	.45	.39	.35
13493	✦	CD4511★	DIP-16	BCD to 7-segment latch/decoder/driver	.45	.35	.29
895377	TI	CD4511BE℞	DIP-16	BCD to 7-segment latch/decoder/driver	.49	.39	.35
13522	✦	CD4514	DIP-24	4-bit latch/line decoder	.99	.89	.75
13549	✦	CD4516	DIP-16	Binary up/down counter	.49	.45	.29
13565	✦	CD4518	DIP-16	Dual BCD up counter	.45	.39	.35
13581	✦	CD4520	DIP-16	Dual binary up counter	.45	.39	.29
13611	✦	CD4528	DIP-16	Dual monostable multivibrator	.99	.89	.79
13653	✦	CD4538★	DIP-16	Dual monostable multivibrator	.59	.49	.39
13696	✦	CD4543★	DIP-16	BCD to 7-segment decoder driver	.45	.35	.29
13709	✦	CD4553	DIP-16	3-digit BCD counter	2.95	2.75	2.49
13768	✦	CD4584★	DIP-14	Hex schmitt trigger	.39	.35	.29
676473	✦	CD40102	DIP-16	2-decade BCD 8-st. sync down counter	.25	.15	.09
893179	TI	CD40106BE℞	DIP-14	Hex Schmitt Trigger	.39	.29	.25
676502	✦	CD40110	DIP-16	Decade up/down counter	1.29	1.09	.95

*10 pcs./**20 pcs. in 4000 series IC cabinet kit, below

4000 Series CMOS IC Kit

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 142 and 30 adhesive labels for drawers to identify parts in kit

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4066

Part No.	Description	Wt. (lbs.)	1	5
84970	300 pcs. 4000 series CMOS IC kit	6.1	$89.95	$79.95
130403	Refill for 84970 (300 pcs.)	1.4	74.95	67.95

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Semiconductors

5000 Series & Clock Chips

★ Web Code: RAE

Part No.	✱Mfr.	Product No.	Pkg.	Description	1	10
32803	✦	TCM5089N	DIP-16	Touch tone generator	$4.95	$4.49
26171	✦	M5450B7	DIP-40	LED display driver	4.49	3.95
27422	✦	LM555CN**	DIP-8	Timer	.25	.22
126797	✦	LMC555CN*	DIP-8	CMOS timer	.69	.59
24328	✦	LM556N*	DIP-14	Dual timer	.29	.25
95531	✦	RTC72421B𝓡	DIP-18	Real time clock	7.95	6.95
25101	✦	MC146818★	DIP-24	Real time clock with RAM	8.95	7.95
10567	AMD	AM9513APC★	DIP-40	Real time clock	34.95	31.95
2146433	CSS	CSS555-ID	DIP-8	Programmable timer	1.95	1.75
2146450	CSS	CSS555C-ID	DIP-8	Programmable timer w/ internal cap	2.35	2.09
2146425	CSS	CSS555-IS	SOIC-8	Programmable timer	1.55	1.39
2146468	CSS	CSS555-DMK	—	Demo kit	79.95	74.95
1392878	ST	M4T28-BR12SH1𝓡	SOIC-28	Battery/crystal snaphat	4.49	4.29

*10 pcs./**20 pcs. in Linear series IC cabinet kit, pg 12   ★ Pull = Extra Savings

★ **Clock Management — Enter Web Code CMS**

★ **Digital Signal Processing — Enter Web Code CEQ**

6500 Series

★ Web Code: NAG

Part No.	✱Mfr.	Product No.	Pkg.	Description	1	10
43191	✦	6502★	DIP-40	CPU, 8-bit, 1MHz	$6.95	$5.95
43166	✦	65C02★	DIP-40	CPU, 8-bit, 1MHz (CMOS)	6.95	5.95
43254	✦	6522★	DIP-40	Versatile interface adapter, 1MHz	5.95	5.25
43297	✦	6532★	DIP-40	RAM I/O timer, 1MHz	8.95	7.95
43318	✦	6551★	DIP-28	Asynch. comm. interface adapter, 1MHz	4.95	4.49
2184034	WDC	W65C51N6TPG-14 𝓡	PDIP-28	Asynch. comm. interface adapter, 14MHz	5.95	5.49
2184042	WDC	W65C51N6TPLG-14 𝓡	PLCC-28	Asynch. comm. interface adapter, 14MHz	5.95	5.49
2143638	WDC	W65C02S6TPG-14𝓡	PDIP-40	MPU, 8-bit, 16MHz, 65kB	6.75	5.75
2143591	WDC	W65C22S6TPG-14𝓡	PDIP-40	Versatile interface adapter, 14MHz	6.75	5.75
2143558	WDC	W65C21N6TPG-14𝓡	PDIP-40	Peripheral interface adapter, 14MHz	5.75	4.75

★ Pull = Extra Savings

6800/68000 CMOS

freescale

★ Web Code: SBP

Part No.	Mfr. Part No.	Pkg.	Description	1	10
248604	MC68HC11E1CFN3	PLCC-52	MCU, 8-bit, 38 I/O, 3MHz	$10.95	$9.95
248583	MC68HC11F1CFN3	PLCC-68	MCU, 8-bit, 30 I/O, 3MHz	11.95	10.95
108919	MC68HC705C8P	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	9.95	8.95
132530	MC68HC705J1ACP	DIP-20	MCU, 8-bit, 14 I/O, 4MHz	5.95	5.49
248575	MC68HC711E9CFN2	PLCC-52	MCU, 8-bit, 38 I/O, 2MHz	23.95	21.95

6800/68000 N-MOS

★ Web Code: PAG

Part No.	✱Mfr.	Product No.	Pkg.	Description	1	10
43481	✦	6800★	DIP-40	CPU, 8-bit, 5V, 2MHz	$4.95	$4.49
43502	✦	6802★	DIP-40	CPU, 8-bit, 5V, 1MHz	9.95	8.95
43537	✦	6808★	DIP-40	CPU, 8-bit, 7V, 1MHz	6.95	5.95
43545	✦	6809E★	DIP-40	CPU, 8-bit, 7V, 1MHz	3.95	3.49
320590	✦	68B09E★	DIP-40	CPU, 8-bit, 7V, 2MHz	4.95	4.49
43561	✦	6810★	DIP-24	SRAM, 1K-bit, 5V, 1MHz	3.95	3.49
43596	✦	6821★	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	3.95	3.49
43414	✦	68B21★	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	4.95	4.49
43617	✦	6840★	DIP-28	Programmable timer, 16-bit, 5V, 6MHz	2.49	2.25
43633	✦	6850★	DIP-24	Asynch. comm. int. adptr, 8-bit, 7V, 1MHz	4.49	3.95
25371	MOT	MC68705U3S★	DIP-40	MCU, 8-bit, 20 I/O, 4MHz	12.95	10.95

★ Pull = Extra Savings

UARTs

Please Note: Manufacturer may vary   ★ Web Code: MAG

Part No.	Product No.	Pkg.	Description	1	10
43158	6402★	DIP-40	5V CMOS	$6.95	$5.95
27570	NS16C450N★	DIP-40	Asynch. comm. element, 5V	2.25	1.95
288809	TL16C550CN	DIP-40	1-channel w/ 16-byte FIFO, 5V	3.95	3.49

★ Pull = Extra Savings

8000 Series

Please Note: Manufacturer may vary   ★ Web Code: CAH

Part No.	Product No.	Pkg.	Description	1	10	100
51844	8031★	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	$3.25	$2.95	$2.75
51676	80C31★	DIP-40	MCU, 8-bit, 32 I/O, 24MHz, CMOS	3.25	2.95	2.75
876096	P80C31BH-1	DIP-40	MCU, 8-bit, 32 I/O, 16MHz, CMOS	3.95	3.49	3.25
102197	8032★	DIP-40	CPU, 8-bit, 32 I/O, 12MHz	3.95	3.49	2.95
51959	8039★	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	2.75	2.49	2.25
51692	80C39	DIP-40	MCU, 8-bit, 27 I/O, 11MHz, CMOS	2.95	2.75	2.49
51983	8049★*	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	1.25	.95	.75
51991	8051AP★**	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	1.49	1.25	.95
125647	80C52BASIC	DIP-40	MCU, 8-bit, 32 I/O, 12MHz, CMOS	33.95	31.95	29.95
52046	8080A★	DIP-40	CPU, 8-bit, 16 I/O, 1MHz	5.49	4.95	4.25
52062	8085AH★	DIP-40	CPU, 8-bit, 16 I/O, 3MHz	4.95	4.49	3.25
52071	8085AH-2★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	5.49	4.95	4.49
52100	8086-2★	DIP-40	CPU, 8-bit, 32 I/O, 8MHz	3.95	3.49	2.95
52142	8088★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	2.95	2.75	2.49
34358	UPD70108-8★	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	6.95	5.95	4.95
52290	8155★	DIP-40	I/O port timer, 2K-bit, 3MHz	3.95	3.49	2.95
52302	8155-2★	DIP-40	Static MOS RAM, 2K-bit, 3 I/O, 5MHz	4.95	4.49	3.75
52193	81C55★	DIP-40	I/O port timer, 2K-bit, 3MHz, CMOS	4.95	4.49	3.95
52468	8212★	DIP-24	I/O port timer, 8-bit, 3MHz	4.95	4.49	3.95
52484	8216	DIP-16	Bi-directional bus driver (non-invert.)	2.49	2.25	1.95
52492	8224★	DIP-16	Clock generator/driver	4.95	4.49	3.95
52513	8228	DIP-28	System controller/bus driver	4.95	4.49	3.95
52581	8243★	DIP-24	I/O expander, 5V, MIL. temp	4.95	4.25	3.25
52644	8251★	DIP-28	USART	2.75	2.49	2.25
52652	8251A★	DIP-28	Prog. communications interface	3.95	3.49	2.95
52687	8253-5★	DIP-24	Prog. interval timer, 5MHz	3.49	3.25	2.75
52708	8254★	DIP-24	Prog. interval timer, 8MHz	1.95	1.49	1.25
52716	8254-2★	DIP-24	Prog. interval timer, 10MHz	3.95	3.49	3.25
52409	82C54-2★	DIP-24	Prog. interval timer, 10MHz, CMOS	4.95	4.49	3.95
52724	8255★	DIP-40	CPU peripheral, 2MHz	4.49	3.95	3.49
52732	8255A-5★	DIP-40	CPU peripheral, 5MHz	4.75	4.25	3.75
291805	8255AC-5	DIP-40	CPU peripheral, 4MHz	4.75	4.25	3.75
52417	82C55A★	DIP-40	CPU peripheral, 8MHz, CMOS	4.95	4.49	3.95
52425	82C55A-5	DIP-40	CPU peripheral, 5MHz, CMOS	4.95	4.49	3.95
52759	8256★	DIP-40	Multi func. μproc. support controller	17.95	15.95	13.95
52775	8259★	DIP-28	Prog. interrupt controller	2.49	2.25	1.95
52839	8279★	DIP-40	CPU peripheral, 5MHz	10.95	9.95	7.95
52847	8279-5★	DIP-40	CPU peripheral, 5MHz	12.95	11.95	10.95
52871	8284A★	DIP-18	Clock generator/driver, 8MHz	4.95	4.49	3.95
52901	8287★	DIP-20	Octal bus transceiver	7.95	6.95	5.95
53031	8748H✥	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	12.95	11.95	9.95
53057	8749H✥	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	15.95	14.95	12.95

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039
** Tie pin 31 low to bypass the internal ROM   ★ Pull = Extra Savings   ✥ Refurbished = Backed by Jameco

---

✱ AMD = Advanced Micro | CSS = Custom Silicon Solutions | MOT = Motorola | ST = ST Micro | WDC = Western Design Center | ✦ Major Brands

𝓡 RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Z80 MPUs, EPROMs, OTP/PROMs, EEPROMS & Memory

Semiconductors

Z80 MPUs

Please Note: Manufacturer may vary ★ Web Code: JAF

Part No.	Product No.	Pkg.	Description	1	10
35561	Z80★	DIP-40	2.5MHz CPU (MK3880N/780C)	$2.49	$2.25
35596	Z80A★	DIP-40	4MHz CPU (MK3880N-4/780C-1)	2.95	2.75
35609	Z80A-CTC★	DIP-28	4MHz counter timer circuit (MK3882-4)	2.25	1.95
35625	Z80A-DART★	DIP-40	4MHz dual asynchronous receiver/trans	2.49	2.25
35641	Z80A-PIO★	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4) ...	2.49	2.25
35668	Z80A-SIO/0★	DIP-40	4MHz serial I/O, TxCB & RxCB bond. (MK3884-4)	2.49	2.25
35705	Z80B★	DIP-40	6MHz CPU (MK3880N-6)	3.25	2.95
35781	Z84C00-4★	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	2.49	2.25
61786	Z85C3008PS★	DIP-40	Serial communications controller	1.49	1.25

★ Pull = Extra Savings

EPROMs

★ Web Code: XAF

Part No.	⬥Mfr.	Product No.	Pkg.†	Config.	Description	1	10	100
33611	⬥	TMS2716✧	DIP-24	2k x 8	450ns, 5V	$1.49	$1.25	$.95
40002	⬥	2716✧	DIP-24	2k x 8	450ns, 5V	3.95	3.75	3.49
308662	⬥	2716A-2	DIP-24	2k x 8	200ns, 5V	3.95	3.75	3.49
40096	⬥	2732✧	DIP-24	4k x 8	450ns, 5V	5.95	5.49	3.95
40133	⬥	2732A-45✧	DIP-24	4k x 8	450ns, 5V	3.95	3.75	3.49
40125	⬥	2732A-25✧	DIP-24	4k x 8	250ns, 5V	4.95	4.49	3.95
114876	⬥	2732B✧	DIP-24	4k x 8	450ns, 5V	4.49	4.25	3.95
40109	⬥	2732A-20✧	DIP-24	4k x 8	200ns, 5V	5.49	4.95	4.49
266001	⬥	27C32-150✧	DIP-24	4k x 8	150ns, 5V	5.95	5.49	4.95
40192	⬥	2764-20✧	DIP-28	8k x 8	200ns, 5V	4.25	3.95	3.75
40230	⬥	2764A-20✧	DIP-28	8k x 8	200ns, 5V	4.25	3.95	3.75
39845	⬥	27C64-25✧	DIP-28	8k x 8	250ns, 5V	3.49	3.25	2.95
74608	⬥	27C64-20✧	DIP-28	8k x 8	200ns, 5V	3.75	3.49	3.25
39829	⬥	27C64-15✧	DIP-28	8k x 8	150ns, 5V	4.25	3.95	3.75
698322	ST	M27C64A-15F1ℛ	FDIP-28	8k x 8	150ns, 5V (±10%)	5.95	5.49	5.25
105304	⬥	27C64-12✧	DIP-28	8k x 8	120ns, 5V	4.49	4.25	3.85
266036	⬥	27C64-100	DIP-28	8k x 8	100ns, 5V	4.95	4.55	4.05
39984	⬥	27128A-25✧	DIP-28	16k x 8	250ns, 5V	3.95	3.75	3.49
39950	⬥	27128A-15✧	DIP-28	16k x 8	150ns, 5V	4.25	3.95	3.55
39685	⬥	27C128-25✧	DIP-28	16k x 8	250ns, 5V	3.75	3.49	3.25
101101	⬥	27C128-20✧	DIP-28	16k x 8	200ns, 5V	3.95	3.75	3.49
87935	⬥	27C128-12✧	DIP-28	16k x 8	120ns, 5V	4.49	4.25	3.95
40045	⬥	27256-20✧	DIP-28	32k x 8	200ns, 5V	2.55	2.25	1.95
39731	⬥	27C256-25✧	DIP-28	32k x 8	250ns, 5V	2.35	2.15	1.85
39722	⬥	27C256-20✧	DIP-28	32k x 8	200ns, 5V	2.55	2.25	1.95
39714	⬥	27C256-15✧	DIP-28	32k x 8	150ns, 5V	2.75	2.49	2.25
698111	ST	M27C256B-15F1ℛ	FDIP-28	32k x 8	150ns, 5V	3.95	3.49	3.25
65904	⬥	27C256-12✧	DIP-28	32k x 8	120ns, 5V	3.65	3.49	3.25
698091	ST	M27C256B-12F1ℛ	FDIP-28	32k x 8	120ns, 5V	4.25	3.75	3.49
112740	⬥	27C256-10✧	DIP-28	32k x 8	100ns, 5V	3.75	3.25	2.95
698082	ST	M27C256B-10F1ℛ	FDIP-28	32k x 8	100ns, 5V	4.49	3.95	3.59
140476	⬥	27C256-70✧	DIP-28	32k x 8	70ns, 5V	4.75	4.49	3.95
266079	⬥	27C256-55	DIP-28	32k x 8	55ns, 5V	4.75	4.49	3.95
39802	⬥	27C512-25✧	DIP-28	64k x 8	250ns, 5V	2.25	1.95	1.75
39790	⬥	27C512-20✧	DIP-28	64k x 8	200ns, 5V	2.25	1.95	1.75
39781	⬥	27C512-15✧	DIP-28	64k x 8	150ns, 5V	2.75	2.49	2.25
698234	ST	M27C512-15F1ℛ	FDIP-28	64k x 8	150ns, 5V	4.19	3.95	3.75
39773	⬥	27C512-12✧	DIP-28	64k x 8	120ns, 5V	2.95	2.75	2.49
698226	ST	M27C512-12F1ℛ	FDIP-28	64k x 8	120ns, 5V	4.19	3.95	3.75
131959	⬥	27C512-10✧	DIP-28	64k x 8	100ns, 5V	2.95	2.75	2.49

✧ Refurbished = Backed by Jameco   †FDIP = Ceramic frit seal

EPROMs (Continued)

★ Web Code: XAF

Part No.	⬥Mfr.	Product No.	Pkg.†	Config.	Description	1	10	100
203625	⬥	27C512-70	DIP-28	64k x 8	70ns, 5V	$3.95	$3.75	$3.49
203641	⬥	27C1024-12	DIP-40	64k x 16	120ns, 5V	3.95	3.25	2.75
39651	⬥	27C010-15✧	DIP-32	128k x 8	150ns, 5V	3.49	3.25	2.95
697987	ST	M27C1001-15F1ℛ	FDIP-32	128k x 8	150ns, 5V	4.95	4.75	4.49
74624	⬥	27C010-12✧	DIP-32	128k x 8	120ns, 5V	3.49	3.25	2.95
697961	ST	M27C1001-12F1ℛ	FDIP-32	128k x 8	120ns, 5V	6.95	6.25	5.59
697944	ST	M27C1001-10F1ℛ	FDIP-32	128k x 8	100ns, 5V	4.75	4.49	4.25
146149	⬥	27C010-70✧	DIP-32	128k x 8	70ns, 5V	4.25	3.95	3.75
698007	ST	M27C1001-70F1ℛ	FDIP-32	128k x 8	70ns, 5V	4.75	4.49	4.25
65699	⬥	27C020-15✧	DIP-32	256k x 8	150ns, 5V	3.75	3.49	3.25
78852	⬥	27C020-12✧	DIP-32	256k x 8	120ns, 5V	3.95	3.75	3.49
698031	ST	M27C2001-12F1ℛ	FDIP-32	256k x 8	120ns, 5V	5.95	5.49	4.95
156267	⬥	27C020-10	DIP-32	256k x 8	100ns, 5V	4.25	3.95	3.75
127933	⬥	27C4096-12	DIP-40	256k x 16	120ns, 5V	5.49	4.95	4.49
85462	⬥	27C040-15✧	DIP-32	512k x 8	150ns, 5V	4.49	4.25	3.95
102293	⬥	27C040-12✧	DIP-32	512k x 8	120ns, 5V	4.95	4.75	4.49
266124	⬥	27C040-70	DIP-32	512k x 8	70ns, 5V	4.95	4.75	4.49
156275	⬥	27C080-10	DIP-32	1M x 8	100ns, 5V	8.95	7.95	7.25
203684	⬥	27C080-90	DIP-32	1M x 8	90ns, 5V	8.95	7.95	7.25

✧ Refurbished = Backed by Jameco   †FDIP = Ceramic frit seal

OTP/PROMs

★ Web Code: WAG

Part No.	⬥Mfr.	Product No.	Pkg.	Config.	Description	1	10	100
27844	⬥	N82S23	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM ..	$3.95	$3.25	$2.75
27764	⬥	N82S123	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	7.95	6.95	4.95
48696	⬥	74S287	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	4.95	3.95	3.25
27781	⬥	N82S129	DIP-16	256 x 4	1-kbit, 7V, 50ns, PROM	11.95	10.95	9.95
27810	⬥	N82S181	DIP-24	1k x 8	8-kbit, 7V, 70ns, PROM	4.95	3.95	2.95
27828	⬥	N82S185	DIP-18	2k x 4	8-kbit, 7V, 100ns, PROM	1.25	.95	.75
27836	⬥	N82S191	DIP-24	2k x 8	16-kbit, 7V, 35ns, PROM	2.95	1.95	1.49
394986	ATM	AT27C256R-45PUℛ	DIP-28	32k x 8	256-kbit, 45ns OTP, LP, I-temp.	1.95	1.75	1.49
395081	ATM	AT27C512R-70PUℛ	DIP-28	64k x 8	512-kbit, 5V, 70ns, I-temp., OTP	2.25	1.95	1.75
394708	ATM	AT27C010-70PUℛ	DIP-32	128k x 8	1-Mbit, 5V, 70ns, I-temp., OTP ...	2.95	2.75	2.49

★Network ICs — Enter Web Code JEQ

EEPROMs

Please Note: Manufacturer may vary   ★ Web Code: GAM

✳ Order in multiples of 10

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
102058	93C46	DIP-8	64 x 16	3-wire serial, 2-5V	$.29	$.25	$.22
108855	93C56	DIP-8	128 x 16	3-wire serial, 2-5V	✳	.12	.09
108847	24C04P	DIP-8	512 x 8	2-wire serial, 2-5V	.59	.49	.39
200555	24C16-10	DIP-8	2k x 8	2-wire serial, 5V	.45	.39	.35
74691	28C16A-25	DIP-24	2k x 8	Page parallel, 5V	3.95	3.75	3.49
74827	28C64A-25	DIP-28	8k x 8	Page parallel, 5V	3.75	3.49	3.25
200580	24C256-10	DIP-8	32k x 8	2-wire serial, 2-5V	.69	.59	.49
74878	28C256-25	DIP-28	32k x 8	Page parallel, 5V	4.95	4.49	3.95
74843	28C256-15	DIP-28	32k x 8	Page parallel, 5V	5.49	5.25	4.49
276832	24C512	DIP-8	64k x 8	2-wire serial, 2.5V	1.49	1.25	1.09

Memory Modules

Please Note: Manufacturer may vary   ★ Web Code: GAG

Part No.	Product No.	Capacity	Description	Config.	Pins	1	10
130729	JEEDO7208	8MB	60ns SIMM EDO	2M x 32	72	$.69	$.49
75133	P361000-XX-6	4MB	60ns SIMM	1M x 36	72	2.95	1.95

⬥ ATM = Atmel Semiconductor | ST = ST Micro | ⬥ Major Brands

*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Semiconductors

Flash Memory
Please Note: Manufacturer may vary — ★ Web Code: KAJ

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
74771	28F010-15	DIP-32	128k x 8	150ns, 5V	$1.75	$1.49	$1.25
242587	29F010-120	DIP-32	128k x 8	120ns, 5V	3.95	3.75	3.49
242595	29F010-90	DIP-32	128k x 8	90ns, 5V	4.25	3.95	3.75
242608	29F010-70	DIP-32	128k x 8	70ns, 5V	4.49	4.25	3.95
242659	29F040-120	DIP-32	512k x 8	120ns, 5V	4.75	4.25	3.95
242667	29F040-90	DIP-32	512k x 8	90ns, 5V	5.95	5.49	5.25

★ Zilog Flash MCUs — Enter Web Code JAF

Static RAM
★ Web Code: WAF

Part No.	✱Mfr.	Product No.	Pkg.	Config.	Description	1	10
38931	✦	2111-1	DIP-18	256 x 4	1-Kbit, 5V, 500ns	$2.25	$1.95
42198	✦	5101★	DIP-22	256 x 4	1-Kbit, 5V, 450ns	7.95	6.95
38957	✦	2114N	DIP-18	1k x 4	4-Kbit, 5V, 450ns	2.25	1.95
43238	✦	6514	DIP-18	1k x 4	4-Kbit, 5V, 300ns	3.95	3.49
38973	✦	2114N-2	DIP-18	1k x 4	4-Kbit, 5V, 200ns	2.49	2.25
38981	✦	2114N-2L	DIP-18	1k x 4	4-Kbit, 5V, 450ns, LP	2.69	2.39
38746	✦	2016-20★	DIP-24	2k x 8	16-Kbit, 5V, 200ns	1.15	1.05
114260	DAL	DS1220Y-150	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV	12.95	10.95
25911		MK48Z02B-15	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV	7.95	6.95
42809	✦	6116P-3N★	DIP-24	2k x 8	16-Kbit, 5V, 150ns	1.75	1.55
42796	✦	6116P-2★	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.79	1.59
42788	✦	6116P-1★	DIP-24	2k x 8	16-Kbit, 5V, 100ns	1.79	1.59
42737	✦	6116LP-1★	DIP-24	2k x 8	16-Kbit, 5V, 100ns, LP	1.95	1.75
242675	✦	6116-70	DIP-24	2k x 8	16-Kbit, 5V, 70ns	2.25	1.95
2179032	CPS	6116A-55PC	DIP-24	2k x 8	16-Kbit, 5V, 55ns	1.95	1.75
242683	CPS	CY7C128A-45	DIP-24	2k x 8	16-Kbit, 5V, 45ns, Asynch.	2.95	2.75
85121	✦	6264LP-70	DIP-28	8k x 8	64-Kbit, 5V, 70ns, LP	3.75	3.49
42884	✦	6264LP-10★	DIP-28	8k x 8	64-Kbit, 5V, 100ns, LP	2.95	2.75
42892	✦	6264LP-12★	DIP-28	8k x 8	64-Kbit, 5V, 120ns, LP	2.49	2.25
42930	✦	6264P-12★	DIP-28	8k x 8	64-Kbit, 5V, 120ns	2.49	2.25
114278	DAL	DS1225AB-15	DIP-28	8k x 8	64-Kbit, 5V, 150ns, NV	14.95	12.95
114307	DAL	DS1225Y-200	DIP-28	8k x 8	64-Kbit, 5V, 200ns, NV	11.95	10.95
242376	✦	CY7C199P-35	DIP-28	32k x 8	256-Kbit, 5V, 35ns, LP Asynch.	1.95	1.75
177113	DAL	DS1230Y-100	DIP-28	32k x 8	256-Kbit, 5V, 100ns, NV	13.95	12.95
114323	DAL	DS1230Y-150	DIP-28	32k x 8	256-Kbit, 5V, 150ns, NV	12.95	11.95
41970	✦	43256-10L★	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	3.49	3.25
75037	✦	UM61M256K-15	DIP-28	32k x 8	256-Kbit, 5V, 15ns	2.95	1.95
82472	✦	62256LP-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.75	2.49
391793	CPS	CY62256L-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns	3.49	3.25
391822	CPS	CY62256LL-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	3.59	3.39
42876	✦	62256LP-85	DIP-28	32k x 8	256-Kbit, 5V, 85ns, LP	2.65	2.45
42833	✦	62256LP-10★	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	2.49	2.25
42850	✦	62256LP-12★	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	2.09	1.89
279857	✦	62256S-15	SOJ-28	32k x 8	256-Kbit, 5V, 150ns	.59	.39
1927457	ALM	AS6C1008-55PCN☈	PDIP-32	128k x 8	1M LP, 55ns, 2.7-5.5V, C-temp	3.95	3.49
391831	CPS	CY62128BLL-70SC	SOIC-32	128k x 8	1-Mbit, 5V, 70ns, LP	1.75	1.49
131810	✦	628128LP-70	DIP-32	128k x 8	1-Mbit, 5V, 70ns, LP	6.95	5.95
103982	✦	628128LP-85★	DIP-32	128k x 8	1-Mbit, 5V, 85ns, LP	4.95	4.49
1927617	ALM	AS6C4008-55PCN☈	PDIP-32	512k x 8	4M LP, 55ns, 2.7-5.5V, C-temp	5.95	5.49
242448	✦	BS62LV4006PIP-55	PDIP-32	512k x 8	4M LP, 55ns, 2.4-5.5V, I-temp	18.95	16.95
157358	✦	628512LP-70	DIP-32	512k x 8	4-Mbit, 5V, 70ns, LP	17.95	15.95

✱ Pull = Extra Savings

★MPUs — Enter Web Code MPT

★Universal Programmers and Adapters — Enter Web Code SUP

DRAM
Please Note: Manufacturer may vary — ★ Web Code: DRM

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
41339	4116-15	DIP-16	16k x 1	150ns (MM5290J-1R)	$.99	$.89	$.79
41662	4164-150★	DIP-16	64k x 1	150ns (MCM6665-15)	.99	.89	.79
41574	41464-10★	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.59	1.45
41398	41256-120★	DIP-16	256k x 1	120ns (MB81256-12)	.79	.69	.59

✱ Pull = Extra Savings

Dallas Semiconductors
★ Web Code: QDH

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
114198	DS1210	DIP-8	NV controller chip	$3.95	$3.25	$2.49
114219	DS1213C	DIP-28	Smart socket	21.95	19.95	18.95
133410	DS1216C	DIP-28	Smart watch/RAM	25.95	22.95	17.95
114331	DS1232LP	DIP-8	Micromonitor chip	1.95	1.65	1.29
697231	DS1243Y-120+☈	DIP-28	64k NV SRAM w/ phantom clock	17.95	15.95	14.25
133444	DS1286	DIP-28	Watchdog timekeeper	19.95	17.95	15.95
176778	DS1302	DIP-8	Trickle charge time keeping	3.25	2.39	1.69
1194679	DS1307+☈	DIP-8	5V, 64 x 8 serial I2C real time clock, C-temp	3.49	2.75	1.75
1194695	DS1307N+☈	DIP-8	5V, 64 x 8 serial I2C real time clock, I-temp	2.95	2.25	2.05
114382	DS1620	DIP-8	Digital thermometer and thermostat	5.95	4.95	3.49
865936	DS18B20+☈	TO-92	Prog. resolution 1-wire digital thermometer	3.95	2.49	2.19
133452	DS12887	DIP-24	Real time clock chip	6.95	5.95	4.95

★CPLDs and FPGAs — Enter Web Code SAZ

Voice Chip

Single-Chip Voice Record/Playback Device
- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Playback can be edge or level-activated • 28-pin DIP
- Typical 100k record cycles, 1µA standby current and 100 year message retention

Part No.	Mfr. Part No.	Description	1	10	50
141671	ISD1110P	Voice record/playback (10 sec.)	$6.95	$6.25	$5.49

PALs & GALs
★ Web Code: YAD

✳ Order in multiples of 10

Part No.	✱Mfr.	Product No.	Pkg.	Description	1	10
28020	✦	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	$1.49	$1.25
111667	✦	PAL16R6ANC	DIP-20	TTL, 32 x 64 AND array	✳	.15
88399	✦	GAL16V8-10*	DIP-20	10ns 64 x 32 AND array	2.75	2.49
37452	✦	GAL16V8-15*	DIP-20	15ns 64 x 32 AND array	2.25	1.95
37461	✦	GAL16V8-25*	DIP-20	25ns 64 x 32 AND array	2.25	1.95
876539	LAT	GAL16V8D-25LP	DIP-20	25ns 64 x 32 AND array	2.49	2.25
38658	✦	GAL20V8-15**	DIP-24	15ns 64 x 40 AND array	2.49	2.25
39159	✦	GAL22V10-15	DIP-24	15ns 132 x 44 AND array	3.75	3.49
39167	✦	GAL22V10-25	DIP-24	25ns 132 x 44 AND array	2.95	2.75

GALs are electrically erasable, CMOS PLDs that can be reprogrammed and can be used in place of numerous PALs

* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P8, 16R4, 16R6, 16R8, 16RP4, 16RP6,16RP8, 14H8, 14L8, 14P8, 16H6, 16L6, 16P6
** Replaces PALs: 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8

IC Anti-Static Accessories
★ Web Code: XAA

✳ Order in multiples of 10

Part No.	Product No.	Description	1	10	100
13864	CF2	Conductive foam (12" x 24" x .25") hard black	$11.95	$10.95	$9.95
29516	RIC20#	.300" anti-static rail for 8, 14, 16, 18, 20 & 22-pin ICs	.29	.25	.22
29524	RIC220#	.600" anti-static rail for 24, 28, 36 & 40-pin ICs	.29	.25	.22
29583	RRS	Storage tube rubber stopper	✳	.09	.07

Previously used — *Additional Anti-Static Products, IC Accessories & Tools see page 133*

✱ ALM = Alliance Memory | CPS = Cypress Semiconductor | DAL = Dallas Semiconductor | LAT = Lattice Semiconductor | ✦ Major Brands

☈ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

ATMEL | **ALLIANCE** | **CYPRESS** | **DALLAS** | **MICROCHIP** | **Lattice** | **ST** | **MAXIM**

Semiconductors

Microcontrollers

★ Web Code: PAV

Part No.	⊛Mfr.	Mfr. Part No.	Pkg.	Description	1	10	100
310974	MCH	PIC10F200-I/P𝓡	DIP-8	256 flash, 4MHz, 4 I/O	$.49	$.45	$.39
310982	MCH	PIC10F202-I/P	DIP-8	512 flash, 4MHz, 4 I/O	.59	.49	.45
145040	MCH	PIC12C508A-04/P𝓡	DIP-8	512 OTP, 4MHz, 5 I/O	1.05	.95	.85
144258	MCH	PIC12C509A-04/P𝓡	DIP-8	1k OTP, 4MHz, 5 I/O	1.05	.95	.85
2177643	MCH	PIC12F509-I/P𝓡	DIP-8	1k flash, 4MHz, 6 I/O	.69	.65	.59
223790	MCH	PIC12F629-I/P𝓡	DIP-8	1k flash, 20MHz, 6 I/O	.95	.89	.85
223781	MCH	PIC12F675-I/P𝓡	DIP-8	1k flash, 20MHz, 6 I/O	.99	.95	.89
312514	MCH	PIC12F683-I/P𝓡	DIP-8	2k flash, 20MHz, 6 I/O	1.39	1.29	1.25
247214	MCH	PIC16C54C-20I/P	DIP-18	512 OTP, 25-bit, 20MHz	.95	.85	.75
247484	MCH	PIC16C67-20/P	DIP-40	8k OTP, 368-bit, 20MHz	2.95	2.49	1.95
193359	MCH	PIC16C711-04/P𝓡	DIP-18	1k OTP, 4MHz, 13 I/O	1.49	1.25	.95
145111	MCH	PIC16F84A-04/P𝓡	DIP-18	1k flash, 4MHz, 13 I/O	3.55	3.45	3.35
193332	MCH	PIC16F84A-20/P𝓡	DIP-18	1k flash, 20MHz, 13 I/O	3.95	3.75	3.55
312733	MCH	PIC16F88-I/P𝓡	DIP-18	4k flash, 20Mhz, 16 I/O	3.25	2.95	2.75
193439	MCH	PIC16F627-20/P𝓡	DIP-18	1k flash, 20MHz, 16 I/O	2.25	1.95	1.75
193447	MCH	PIC16F628-20/P𝓡	DIP-18	2K flash, 20MHz, 16 I/O	3.49	3.25	2.95
246756	MCH	PIC16F628-20I/P𝓡	DIP-18	2k flash, 20MHz, 16 I/O	3.59	3.45	3.25
223749	MCH	PIC16F630-I/P𝓡	DIP-14	1k flash, 20MHz, 12 I/O	1.25	1.15	1.05
247142	MCH	PIC16F648A-I/P𝓡	DIP-18	4k flash, 20MHz, 16 I/O	2.09	1.95	1.79
223757	MCH	PIC16F676-I/P𝓡	DIP-14	1k flash, 20MHz, 12 I/O	1.39	1.25	1.09
312590	MCH	PIC16F684-I/P𝓡	DIP-14	2k flash, 20MHz, 12 I/O	1.49	1.35	1.19
312611	MCH	PIC16F688-I/P𝓡	DIP-14	4k flash, 20MHz, 12 I/O	1.95	1.75	1.65
2127523	MCH	PIC16F690-I/P𝓡	DIP-20	7k flash, 20MHz, 18 I/O	1.89	1.75	1.59
246895	MCH	PIC16F870-I/SP𝓡	DIP-28	2k flash, 20MHz, 22 I/O	2.49	2.25	1.95
246975	MCH	PIC16F873A-I/SP𝓡	DIP-28	4k flash, 20MHz, 22 I/O	3.95	3.75	3.49
193367	MCH	PIC16F876-20/SP𝓡	DIP-28	8k flash, 20MHz, 22 I/O	5.95	5.75	5.49
247011	MCH	PIC16F876A-I/SP𝓡	DIP-28	8k flash, 20MHz, 22 I/O	4.49	4.35	4.15
247046	MCH	PIC16F877A-I/L𝓡	PLCC-44	8k flash, 20MHz, 33 I/O	4.95	4.49	4.25
176882	MCH	PIC16F877-20/P𝓡	DIP-40	8k flash, 20MHz, 22 I/O	5.65	5.45	5.25
247038	MCH	PIC16F877A-I/P𝓡	DIP-40	8k flash, 20MHz, 33 I/O	4.85	4.69	4.55
2127531	MCH	PIC16F886-I/P𝓡	DIP-28	14k flash, 20MHz, 25 I/O	1.95	1.85	1.75
2127540	MCH	PIC16F887-I/P𝓡	DIP-40	14k flash, 20MHz, 35 I/O	2.29	2.15	2.05
247994	MCH	PIC18F252-I/SP𝓡	DIP-28	32k flash, 40MHz, 23 I/O	5.39	5.19	4.95
248031	MCH	PIC18F452-I/P𝓡	DIP-40	32k flash, 40MHz, 34 I/O	5.95	5.75	5.59
248057	MCH	PIC18F458-I/P𝓡	DIP-40	32k flash, 40MHz, 33 I/O	5.95	5.49	5.25
2177651	MCH	PIC18F2550-I/SP𝓡	DIP-28	32k flash, 48MHz, 24 I/O	5.29	4.25	4.09
2177660	MCH	PIC18F2620-I/SP𝓡	DIP-28	64k flash, 40MHz, 25 I/O	6.25	4.95	4.75
2177678	MCH	PIC18F4550-I/P𝓡	DIP-40	32k flash, 48MHz, 35 I/O	5.75	5.49	4.75
2177686	MCH	PIC18F4620-I/P𝓡	DIP-40	64k flash, 40MHz, 36 I/O	5.95	5.09	4.89
248330	ATM	ATMEGA8-16PI	DIP-28	8k flash, 16MHz, 23 I/O	4.75	4.25	3.75
323133	ATM	ATMEGA16-16PU𝓡	DIP-40	6k flash, 16MHz, 32 I/O	4.49	4.25	3.95
765302	ATM	ATTINY13-20PU𝓡	DIP-8	1k flash, 20MHz, 6 I/O	2.25	2.05	1.85
2151312	ATM	ATTINY85-20PU𝓡	DIP-8	8k flash, 20MHz, 6 I/O	1.95	1.75	1.59
168874	ATM	AT89C2051-24PU𝓡	DIP-20	2k flash, 24MHz, 15 I/O	1.39	1.15	.95
204089	ATM	AT89C4051-24PU𝓡	DIP-20	4k flash, 24MHz, 15 I/O	2.45	2.15	1.75
1537061	ATM	ATTINY2313-20PU𝓡	DIP-20	2k flash, 20MHz, 18 I/O	2.75	2.25	2.15
323141	ATM	ATMEGA8515-16PC	DIP-40	8k flash, 16MHz, 35 I/O	3.49	2.95	2.25
168903	ATM	AT89C51-24PC	DIP-40	4k flash, 24MHz, 32 I/O	2.49	2.25	1.95
168920	ATM	AT89C52-24PC	DIP-40	8k flash, 24MHz, 32 I/O	2.95	2.49	1.95
220871	ATM	AT89S52-24JI	PLCC-44	8k flash, 24MHz, 32 I/O	1.35	1.15	.85
662637	ATM	AT89S52-24PC𝓡	DIP-40	8k flash, 24MHz, 32 I/O	1.49	1.25	.95
168946	ATM	AT89C55WD-24PC	DIP-40	20k flash, 24MHz, 32 I/O	2.75	2.49	2.25
2139111	ATM	ATMEGA328P-PU𝓡	DIP-28	32k flash, 8-bit, 20MHz	4.95	4.49	4.09
2129334	ATM	A000048	DIP-28	32k flash, 8-bit, ATmega328	4.95	4.65	4.49
114403	DAL	DS80C320-MCG	DIP-40	High speed LP micro	9.95	7.95	5.95

Buffer

★ Web Code: WBR

Part No.	Product No.	Pkg.	Description	1	10	100
23051	LH0002CN	DIP-10	General purpose buffer	$12.95	$11.95	$10.95

80C52-BASIC Microcontroller

Micromint ★ Web Code: CAH

A custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.

• Full BASIC interpreter in ROM on a single chip
• Operates DC to 12MHz • "Stand-alone" software development
• On-chip oscillator and clock circuit
• Interrupts can be handled by BASIC or Assembly Language

Part No.	Mfr. Part No.	Description	1	10	50
125647	80C52BASIC	40-pin CPU 8-bit CMOS w/ BASIC interpreter	$33.95	$31.95	$29.95

Propeller Microprocessor Chip

PARALLAX 𝓡

Designed for high-speed embedded processing while maintaining low-power and low-current consumption.

Part No.	Mfr. Part No.	Package		1	10
2007134	P8X32A-D40𝓡	DIP-40		$12.95	$11.95

USB-to-Serial Prop Plug for Propeller & BASIC Stamp

Provides a USB-to-serial port connection for microcontroller programming and communication. USB cable included.

PARALLAX 𝓡

NEW MARKED IN PINK

Part No.	Mfr. Part No.	Description	1	5
2109421	32201𝓡	Up to 3Mbps, 3.3V & 5V compatible, 4-pin header	$18.95	$17.95

BASIC Stamp Modules

PARALLAX 𝓡 ★ Web Code: BSM

• **183071:** BS2 OEM Kit Z

Part No.	Mfr. Part No.	Package	Speed	No. of I/O Pins	1	5
127693	BS1-IC	14-pin	4MHz	8	$28.95	$26.95
183071	27291	20-pin SIP	—	—	29.95	27.95
130892	BS2-IC𝓡	24-pin	20MHz	16 + 2	48.95	43.95
184911	BS2P24-IC𝓡	24-pin	20MHz (turbo)	16 + 2	74.95	69.95
184920	BS2P-40-IC𝓡	40-pin	20MHz (turbo)	16 + 2	88.95	79.95
159775	BS2SX-IC𝓡	24-pin	50MHz (turbo)	16 + 2	58.95	52.95

Interface Series

★ Web Code: RBU

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10
1291647	MCH	TC4420CPA𝓡	DIP-8	6A high speed MOSFET driver	$1.39	$1.19
312160	MAX	MAX7219CNG	DIP-24	5V, 8 digit LCD driver	7.95	6.95
313322	✦	ICM7228AIPI	DIP-28	5V, 8 digit LCD driver	4.49	3.95
241875	✦	FAN8082	DIP-8	18V, bi-directional DC motor driver	1.19	1.09
51027	✦	SN75451AN	DIP-8	7V, dual peripheral AND driver	.55	.45
51131	✦	SN75492P	DIP-14	5V, HEX digit driver	2.49	2.25

★ **Ethernet Controllers — Enter Web Code LAE**

★ **Interface Controllers — Enter Web Code HAS**

Digital Interface

Paladin ★ Web Code: WBB

Part No.	Mfr. Part No.	Pkg.	Description	1	10	50
171969	PDN1144𝓡	DIP-18	Keypad encoder	$5.19	$4.95	$4.75
141532	PDN1200𝓡	DIP-18	Unipolar stepper motor controller	6.39	6.09	5.75

Stepper Motor Drivers/Controllers

★ Web Code: GDP

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
288067	ST	L297/1	DIP-20	Stepper motor controller, 5V	$8.95	$7.95	$6.95
245403	ST	L298N	MW-15	Dual full-bridge driver, 46V	2.75	2.49	2.35
2179016	ALL	A3958SB	DIP-24	DMOS full-bridge PWM driver, 50V	2.49	2.25	1.95
288104	ST	L6203	MW-11	DMOS full-bridge driver, 48V	7.49	6.95	6.25

★ **Motion Control — Enter Web Code DEU**

⊛ **ALL** = Allegro | **ATM** = Atmel Semiconductor | **DAL** = Dallas Semiconductor | **MAX** = Maxim Semiconductor | **MCH** = Microchip | **ST** = ST Micro | ✦ **Major Brands**

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Semiconductors

Motor/Display Drivers
★ Web Code: DAD

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
1762681	ALL	UDN2981A-T𝓡	DIP-18	8-channel source driver	$2.95	$2.75	$2.49
24230	NSC	LM3914N	DIP-18	25V, dot/bar display driver	2.75	2.49	2.25
300003	NSC	LM3914N-1	DIP-18	25V, dot/bar display driver	2.25	1.85	1.59
24256	NSC	LM3915N	DIP-18	25V, dot/bar display driver	2.75	2.49	2.25
901061	NSC	LM3915N-1	DIP-18	3dB/step, 30db range dot/bar disp. dvr	2.59	2.25	1.79
24272	NSC	LM3916N	DIP-18	3-25V, dot/bar display driver	2.49	2.15	1.89
2126299	HIT	HA13426	ST-23TA	3 phase motor driver	1.49	1.25	.95
241824	MOT	MC14489BP	DIP-20	5V, 7-segment LED display driver	4.49	3.95	3.49
2129959	TI	SN65512CN	DIP-20	Dot/vacuum fluorescent display driver	.49	.45	.39

KAE Servo Controllers
★ Web Code: YBC

Controllers operate from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port.

146472: PIC-SERVO Motion Control Chipset for DC Motors
- For DC motors with digital encoders
- 32-bit position, velocity and acceleration resolution
- PWM and direction outputs connect to servo amplifier
- Two chipset (PIC-SERVO V.4, 28-pin and PIC-ENC V.1, 18-pin)

323934

323934/2134432: PIC-SERVO SC Servo Motion Control I.C.
- For DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

2134467: Motion Basic Controller Chip
- Microcontroller allowing the creation of simple stand-alone motion control programs   • Controls up to 8 PIC control board modules

Part No.	Mfr. Part No.	Package	1	5	25
146472	KAE-T0V4-DPS	DIP-28/18, 0.3"	$35.95	$34.49	$32.95
323934	KAE-T0V10-DP	DIP-28, 0.3"	29.95	28.49	26.95
2134467	KAE-MBV1-DP	DIP-28, 0.3"	28.95	27.49	25.95
2134432	KAE-T0V10-SO	SOIC-28, 0.3"	29.95	28.49	26.95

KAE Smart Serial Adapter

Serial Converter/Stand Alone Host Controller
- Supports USB or RS232 serial interface
- Up to 32 NMC PIC-SERVO, PIC-STEP, PIC-I/O modules can be controlled from a single smart serial adapter
- RS232 operation supports baud rates from 19,200 to 115,200
- Supports Windows®, LINUX, Mac® OS, and other operating systems
- May be used as a stand alone host with either the simple sequencer chip or a PIC18F2620 MCU
- On board connector for MICROCHIP MPLAB ICD2

Part No.	Mfr. Part No.	Description	1	5
1586120	KAE-SSA485-BDV2	Smart serial adapter	$99.95	$94.95

KAE PIC-I/O General Purpose I/O Controller

- Allows the addition of general purpose I/O capabilities to your motion control system
- Controller: PIC digital and analog I/O
- 12 digital I/O pins programmable as inputs or outputs
- Three 8-bit analog inputs
- Two PWM output channels with high current (5 amp) drivers

Part No.	Mfr. Part No.	Description	1	5
2134475	KAE-T2V1-BDV	General purpose I/O controller	$115.95	$109.95

Encoders/Decoders
★ Web Code: VAR

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
296702	MOT	MC145026P	DIP-16	Encoder, 4.5-18V	$2.95	$2.75	$2.49
296711	MOT	MC145027P	DIP-16	Decoder, 4.5-18V	2.95	2.75	2.49
123730	HOL	HT12E	DIP-18	Encoder, 2.4-12V	1.75	1.55	1.35
123748	HOL	HT12D	DIP-18	Decoder, 2.4-12V	1.65	1.45	1.25

RS-232 Drivers/Receivers
★ Web Code: EAV

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
142535	✦	MAX202CPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	$2.95	$2.25	$1.59
24811	✦	MAX232CPE*	DIP-16	5V, 200kbps, multichannel	1.85	1.65	1.25
24812	✦	MAX232CPE𝓡	DIP-16	5V, 200kbps, multichannel	1.85	1.65	1.25
318959	MAX	MAX232CPE	DIP-16	5V, 200kbps, multichannel	2.49	2.09	1.59
256401	✦	MAX232DR𝓡	SOIC-16	5V, 120kbps, dual driver/rcvr	.59	.45	.39
698576	TI	MAX232N𝓡	DIP-16	Dual EIA-232 driver/receiver, C-temp	.79	.69	.59
903277	TI	MAX232IN𝓡	DIP-16	Dual EIA-232 driver/receiver, I-temp	.75	.65	.55
106163	✦	MAX233CPP	DIP-20	5V, 120kbps, multichannel	5.95	5.49	4.75
23157	✦	DS1488N*	DIP-14	15V, quad line driver	.45	.39	.35
16379	✦	DS14C89N	DIP-14	5V, quad line receiver	.79	.69	.59
23181	✦	SN75189N*	DIP-14	5V, quad line receiver	.45	.39	.35
25099	✦	MC145406P	DIP-16	5-12V, EIA-232-D/V.28 driver/rcvr	2.49	2.25	1.95

*10 pcs. in Linear series IC cabinet kit, pg 12

RS-422/423/485 Drivers/Receivers
★ Web Code: NBT

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
299807	✦	LTC485CN8	DIP-8	RS-485 LP transceiver, 5V	$2.25	$1.59	$1.49
244195	✦	MAX1487CPA	DIP-8	RS-485/422 LP transceiver, 12V	1.75	1.49	1.25
39571	✦	26LS30	DIP-16	RS-422/423 line driver, 5V	2.75	2.49	2.25
50948	✦	SN75174N	DIP-16	RS-422 quad diff. line driver w/ 3 st.	1.29	1.19	1.09
50956	✦	SN75175N	DIP-16	RS-422/423 quad diff. line receiver, 5V	1.75	1.49	1.25
758364	TI	SN75176AP𝓡	DIP-8	RS-422 differential bus transceiver	.59	.49	.39
50964	✦	SN75176BN	DIP-8	RS-422 diff. line bus transceiver, 5V	.99	.89	.79

A/D & D/A Converters
★ Web Code: QAG

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
277131	MAX	MAX110BCPE	DIP-16	A/D, 14-bit, 5V, 50sps, 2-ch	$10.95	$9.95	$8.95
10145	NSC	ADC0803LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	3.95	3.49	3.25
10153	NSC	ADC0804LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	3.19	2.59	2.19
10170	NSC	ADC0808CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	4.75	4.25	3.75
10188	NSC	ADC0809CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	2.95	2.49	2.25
10225	NSC	ADC0820CCN	DIP-20	A/D, 8-bit, 5V, 1.5µs	2.95	2.75	2.49
116100	NSC	ADC0831CCN	DIP-8	A/D, 8-bit, 5V, 32µs	2.49	2.09	1.75
1252488	NSC	ADC0838CCN/NOPB𝓡	DIP-20	A/D, 8-bit serial, 5V, 32µs	2.49	2.25	1.75
43756	✦	7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, ±5V	2.75	2.49	2.25
115158	ADI	AD558JN	DIP-16	D/A, 8-bit, 5-15V, 1-5-3µs, 1-ch	11.95	10.95	9.95
1944581	SAM	KDA0408	DIP-42	D/A, 8-bit, 5V, 60Msps, triple	.59	.49	.45
14904	NSC	DAC0800LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.39	1.19	.95
14947	NSC	DAC0808LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.75	1.49	1.19
14963	NSC	DAC0830LCN	DIP-20	D/A, 8-bit, 5-15V, 1µs	4.95	4.25	3.35
1783887	ADI	AD7398BRUZ𝓡	TSSOP-16	D/A, 12-bit, quad serial in	6.95	5.95	4.95
290052	TI	TLC7524CN	DIP-16	D/A, 8-bit, 5-15V, 100ns	3.95	3.49	3.25

Comparators
★ Web Code: EBS

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
23528	✦	LM311N*	DIP-8	Voltage comparator	$.29	$.25	$.19
23851	✦	LM339N**	DIP-14	Quad comparator	.25	.22	.17
826742	TI	LM339N𝓡	DIP-14	Quad differential comparator	.35	.29	.25
120900	✦	LM392N	DIP-8	Low power op amp./volt comp.	1.19	1.09	.95
212177	✦	LM393AN𝓡	DIP-8	Low power low offset volt quad comp.	.29	.25	.22
24281	✦	LM393N*	DIP-8	Dual comparator	.25	.22	.17
973531	FSC	LM393N𝓡	DIP-8	Dual differential comparator ±18V	.29	.25	.19

*10 pcs./**20 pcs. included in Linear kit, pg 12

⊛ ADI = Analog Devices | ALL = Allegro | FSC = Fairchild | HIT = Hitachi | HOL = Holtek | MAX = Maxim | MOT = Motorola | NSC = National | SAM = Samsung | TI = Texas Ins. | ✦ Major Brands

𝓡 RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Amplifiers & Digital Potentiometers

Semiconductors

ANALOG DEVICES Amplifiers

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
1780862	AD620ANZ℞	DIP-8	Low cost, LP instrumentation amp	$6.95	$5.95	$5.25

ti Amplifiers

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
825934	INA126PA℞	DIP-8	µPower instrumentation amp.	$2.75	$2.49	$2.25
1780985	AD623ANZ℞	DIP-8	Single supply, rail-to-rail	4.49	3.95	3.59

Audio Amps   ★ Web Code: MBP

Part No.	⊛Mfr.	Product No.	Pkg./Pins	Description	1	10	100
243678	ADI	OP275GP	DIP-8	Dual JFET audio op amplifier	$2.39	$2.15	$1.89
24037	NSC	LM380N	DIP-14	2-watt, power amplifier	1.39	1.15	.89
24088	NSC	LM383T	TO-220/5	7-watt, high power	5.95	5.49	4.95
24096	NSC	LM384N	DIP-14	5-watt audio amplifier	1.75	1.49	1.25
193623	NSC	LM386M-1	SOIC-8	Low volt audio power amp.	.59	.49	.39
24125	NSC	LM386N-1*	DIP-8	Low voltage, 250mW/6V	.89	.75	.59
24126	NSC	LM386N-1℞	DIP-8	Low voltage, 250mW/6V	.95	.79	.59
24133	NSC	LM386N-3*	DIP-8	Low voltage, 500mW/9V	.79	.65	.55
24942	ON	MC1350P	DIP-8	Video IF amp. (12V operation)	2.95	2.75	2.49
23270	NSC	LM1875T	TO-220/5	20-watt audio power amp.	3.15	2.95	2.75
835753	NSC	LM1875T/LB03	TO-220/5	20W audio pwr amp. (staggered leads)	3.25	2.95	2.75
23288	NSC	LM1877N-9	DIP-14	Dual power audio amplifier	2.95	2.49	2.25
107140	NSC	LM1881N	DIP-8	Video synchronous separator	2.49	2.15	1.95
32897	ST	TDA2002V	TO-220/5	8-watt audio high power amp.	4.95	4.49	3.95
315344	ST	TDA2040V	PWAT-5	20-watt hi-fi power	2.49	2.25	2.05
275830	TI	OPA2134PA℞	DIP-8	High performance audio op amp.	2.95	2.49	2.25
320670	NSC	LM3886TF	TO-220/11	68-watt high-perf., isol. pkg.	5.49	4.95	4.49
192516	NSC	LM3886T	TO-220/11	68-watt high-performance	6.25	5.25	4.75
302201	NSC	LM4752T★	TO-220/7	Stereo 11-watt audio power amp.	4.95	4.49	3.95
316873	MOT	MC34119D	SOIC-8	LP audio amp. (500mW, 16VDC)	.89	.79	.59
316865	MOT	MC34119P	DIP-8	LP audio amp. (500mW, 16VDC)	2.49	2.25	1.95

*10 pieces included in Linear kit, pg 12   ★ Pull = Extra Savings

Op Amps

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
27852	✦	OP07CP	DIP-8	Ultra-low offset voltage	$.89	$.79	$.69
120715	✦	LM10CN	DIP-8	Op amp and voltage reference	1.95	1.75	1.49
275784	TI	OPA27GU	SOIC-8	Ultra-low noise precision	1.25	1.05	.85
115318	✦	OP27GP	DIP-8	Low noise precision (-40° to 80°C)	2.49	1.95	1.59
33161	✦	TL062CP	DIP-8	Low power JFET op amp.	.59	.49	.45
33187	✦	TL071CP	DIP-8	Low noise JFET op amp.	.29	.25	.22
213073	✦	TL072ACP℞	DIP-8	Low noise JFET input op amp.	.69	.59	.49
33195	✦	TL072CP*	DIP-8	Low noise JFET dual op amp.	.25	.22	.19
33216	✦	TL074CN*	DIP-14	Low noise JFET quad op amp.	.45	.39	.35
33232	✦	TL081CP	DIP-8	JFET input, offset control	.39	.35	.29
33241	✦	TL082CP*	DIP-8	JFET input dual op amplifier	.39	.35	.29
214084	✦	TL084ACN	DIP-14	JFET input op amplifier	.39	.35	.25
33267	✦	TL084CN*	DIP-14	JFET input quad op amplifier	.39	.35	.29
143917	TI	TLC272CP℞	DIP-8	LinCMOS precision dual op amp.	.69	.59	.49
212151	✦	LM301AN*	DIP-8	Operational amplifier	.65	.55	.45
245673	✦	LM308AH	TO-5/8	Precision op amplifier	4.95	4.49	3.95
23464	✦	LM308N*	DIP-8	Precision op amplifier	6.95	6.25	5.49
23608	NSC	LM318N	DIP-8	Precision high speed	.89	.79	.69
212169	✦	LM324AN	DIP-14	Low power quad op amplifier	.35	.29	.25
23683	✦	LM324N**	DIP-14	Low power quad op amplifier	.29	.25	.22
826671	TI	LM324NE4℞	DIP-14	Quad op amplifier	.35	.29	.25
973110	FSC	LM324N℞	DIP-14	Quad op amp., supply volt. ±16V	.39	.35	.25

*10 pcs./**20 pcs. included in Linear cabinet kit, pg 12

Op Amps (Continued)   ★ Web Code: WAD

Part No.	⊛Mfr.	Product No.	Pkg./Pins	Description	1	10	100
22904	✦	LF347N	DIP-14	Quad JFET input (wide band)	$.55	$.45	$.39
23915	✦	LM348N	DIP-14	Quad 741 op amp (UPC4741C)	.35	.29	.25
22912	✦	LF351N	DIP-8	BIFET op amplifier	.45	.39	.35
22939	✦	LF353N*	DIP-8	Dual BIFET (comp w/ TL082CP)	.39	.35	.29
22971	NSC	LF356N*	DIP-8	JFET input (wide band)	.99	.85	.65
22998	✦	LF357N	DIP-8	JFET input (wide band)	2.95	2.75	2.49
120862	✦	LM358AN	DIP-8	Low power dual (improved 358N)	.25	.22	.19
23966	✦	LM358N*	DIP-8	Low power dual op amplifier	.29	.25	.22
826793	TI	LM358P℞	DIP-8	Low power dual op amplifier	.39	.35	.25
23018	✦	LF411CN*	DIP-8	Low offset drift JFET input	1.25	1.09	.89
23026	✦	LF412CN*	DIP-8	Low offset drift JFET input dual	1.29	1.09	.85
106681	✦	LF442CN	DIP-8	Dual low power JFET input	1.19	1.05	.79
119992	✦	LF444CN	DIP-14	Quad low power JFET input	1.65	1.39	1.25
143976	✦	LMC660CN	DIP-14	CMOS quad operational amplifier	1.75	1.45	1.09
120926	✦	LM675T	TO-220/5	Power op amplifier	4.75	4.25	3.49
24521	✦	LM741CH	TO-5/8	Op amplifier	4.95	4.49	4.25
24539	✦	LM741CN**	DIP-8	Op amplifier	.29	.25	.22
24540	✦	LM741CN℞	DIP-8	Op amplifier	.29	.25	.22
830522	TI	UA741CP℞	DIP-8	General purpose op amplifier	.39	.35	.29
840763	NSC	LM741CN/NOPB℞	DIP-8	General purpose op amplifier	.79	.59	.45
24563	✦	LM747CN	DIP-14	Dual 741 op amplifier	.79	.69	.59
239222	✦	LTC1001CN8	DIP-8	Precision op amplifier	1.25	1.05	.85
239169	✦	LT1013CP	DIP-8	Dual precision op amplifier	1.95	1.75	1.49
239177	✦	LT1014DN	DIP-14	Quad precision op amplifier	3.95	3.49	3.25
1745688	LTC	LTC1050CN8℞	DIP-8	Precision zero-drift op amp w/ interal cap	4.15	3.85	3.65
23131	✦	LM1458N*	DIP-8	Dual op amplifier	.35	.29	.25
903509	TI	MC1458P	DIP-8	Dual general purpose op amplifier	.35	.25	.22
1085819	TI	TLC2272CP℞	DIP-8	Advanced LinCMOS® rail-to-rail	1.79	1.49	1.29
1944839	✦	TLV2772CP	DIP-8	Hi slew rate r-r output, w/ shutdown	.99	.89	.79
12116	✦	CA3080E	DIP-8	Op transconductance amplifier	3.95	3.75	3.49
12183	✦	CA3130E	DIP-8	CMOS op amplifier	1.59	1.35	1.05
12204	✦	CA3140E	DIP-8	Bi-MOS op amplifier	1.29	1.19	1.09
24168	✦	LM3900N	DIP-14	Quad amplifier	.49	.45	.35
251125	✦	MC4558CN	DIP-8	Wide bandwidth dual bipolar	.45	.35	.25
908289	TI	RC4558P℞	DIP-8	Dual general purpose op amp, ±15V	.25	.19	.15
27385	✦	NE5532*	DIP-8	Dual low noise op amplifier	.49	.45	.39
252970	✦	NE5532AP	DIP-8	Dual lower noise op amplifier	.65	.55	.45
27406	✦	NE5534	DIP-8	Low noise op amplifier	.79	.69	.59
302076	NSC	LM6134BIN	DIP-14	Quad LP r-r in/out, 10MHz	3.75	3.49	2.95
302068	NSC	LM6142AIM	SOIC-8	Dual r-r in/out, 17MHz	1.25	.95	.75
301874	NSC	LM6181IN	DIP-8	100mA, 100MHz current feedback	2.49	2.25	1.75
301356	NSC	LMC6484AIN	DIP-14	CMOS quad r-r I/O, lower VOS	3.49	2.95	2.59
192532	NSC	LM13700N	DIP-16	Dual op transcon. w/ diodes/buffer	1.69	1.45	1.19
192533	NSC	LM13700N/NOPB℞	DIP-16	Dual op transcon. w/ diodes/buffer	1.75	1.49	1.25
871586	ON	MC33204P	DIP-14	Low voltage, rail-to-rail	.89	.69	.49
251061	ON	MC34072P	DIP-8	Single supply 3V-44V op amplifier	.99	.79	.59

*10 pcs./**20 pcs. included in Linear cabinet kit, pg 12

Digital Potentiometers   ★ Web Code: JBP

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
1778367	ADI	AD5282BRU200	TSSOP-16	Dual, 256 position	$1.25	$.95	$.75
241744	MCH	MCP41010-I/P℞	DIP-8	10kΩ, 256 steps, SPI	1.49	1.25	.99
241752	MCH	MCP42010-I/P℞	DIP-14	10kΩ, 256 steps, 2-ch SPI	1.95	1.75	1.49

★ Real Time Clocks — Enter Web Code RTC

★ Supervisory Chips — Enter Web Code SCT

★ Analog Switches — Enter Web Code VBN

⊛ ADI = Analog Devices | FSC = Fairchild | MCH = Microchip | MOT = Motorola | LTC = Linear Technology | NSC = National | ON = ON Semi | ST = ST Micro | TI = Texas Ins. | ✦ Major Brands

★For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Semiconductors

Linear Series

★ *Web Code: FAD*

※ Order in multiples of 10

Part No.	◉Mfr.	Product No.	Pkg./Pins	Description	1	10	100
25751	✦	MF10CCN	DIP-20	Gen. purpose dual active filter	$3.49	$2.95	$2.49
16301	✦	DS0026CN	DIP-8	Dual MOS clk. driver (5MHz)	3.95	3.49	2.95
239281	✦	DG201BDJ	DIP-16	Quad analog switch	1.59	1.39	1.19
1341966	TI	L293DNE℞	DIP-16	Quad half-H drivers, I-temp	2.95	2.49	1.95
1342011	TI	L293NE℞	DIP-16	Quad half-H drivers, C-temp	2.95	2.75	2.49
23721	✦	LM331N	DIP-8	Prec volt to freq convtr (150ppm/°C)	2.39	1.95	1.75
23739	NSC	LM334Z	TO-92/3	Adjust current source	.79	.65	.49
23771	NSC	LM336Z-2.5	TO-92/3	Voltage reference (2.5V)	.39	.35	.29
24117	✦	LM385Z-1.2	TO-92/3	Micropwr volt. ref. diode (1.2V)	.49	.45	.35
23000	✦	LF398N	DIP-8	Sample and hold circuit	1.45	1.15	.89
309833	✦	DG403DJ	DIP-16	Dual SPDT & SPDT analog switch	2.75	2.49	2.25
33347	✦	TL431CLP	TO-92/3	Program precision reference	※	.15	.12
33355	✦	TL494CN	DIP-16	Contrl circuit pulse-width-modulated	.59	.49	.39
86799	✦	LM555CM	SOIC-8	Timer	.29	.25	.22
27422	✦	LM555CN**	DIP-8	Timer (MC1455P/NE555V)	.25	.22	.17
27423	✦	LM555CN℞	DIP-8	Timer (MC1455P/NE555V)	.29	.25	.19
973646	FSC	LM555CN℞	DIP-8	Timer	.29	.25	.19
126797	✦	LMC555CN*	DIP-8	CMOS timer	.69	.59	.45
841571	NSC	LMC555CN/NOPB℞	DIP-8	CMOS timer	1.49	1.25	.95
890091	ST	NE555N℞	DIP-8	Gen. purp. single bipolar timer	.29	.25	.22
904085	TI	NE555P℞	DIP-8	Precision timer	.39	.35	.25
761272	TI	TLC555CP℞	DIP-8	LinCMOS™ timer, C-temp	.65	.55	.49
24328	✦	LM556N*	DIP-14	Dual 555 timer	.29	.25	.22
904114	TI	NE556N℞	DIP-14	Dual precision timer	.35	.29	.25
27473	ST	NE564N	DIP-16	High freq. phase locked loop	2.49	2.25	1.95
24352	✦	LM565N	DIP-14	Phased locked loop	2.95	2.75	2.49
24395	✦	LM567CN	DIP-8	Tone decoder	1.39	1.09	.95
27490	ST	NE571N	DIP-16	Compander, subscriber	4.49	4.25	3.95
115174	ADI	AD620AN	DIP-8	Low-cost instrument amp.	6.49	5.25	4.49
1780985	ADI	AD623ANZ	DIP-8	Sngl supply r-to-r instrument amp.	4.49	3.95	3.59
115182	ADI	AD633JN	DIP-8	Low-cost analog multiplier	6.95	6.25	5.75
23211	✦	MC1496P	DIP-14	Balanced mod/demodulator	.69	.59	.49
1944821	✦	P1803AC	TO-220	Balanced three-chip sidactor	※	.09	.07
34278	✦	ULN2003A*	DIP-16	Hi-volt/curr. darl. transistor array	.35	.29	.25
1147178	TI	ULN2003AN℞	DIP-16	Hi-volt/curr. darl. transistor array	.45	.45	.35
193826	✦	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array	.39	.29	.22
2179024	✦	ULQ2003A	DIP-16	Hi-volt/curr. darl. transistor array	.39	.35	.29
34294	✦	ULN2004AN	DIP-16	Hi-volt/curr. darl. transistor array	.39	.35	.29
34972	EXR	XR2206CP	DIP-16	Monolithic function generator	7.95	7.25	6.75
34999	✦	XR2211	DIP-14	FSK demodulator/tone decoder	1.95	1.75	1.49
2125798	AST	AS2431	TO-92/3	Precision adjustable shunt	※	.15	.12
34315	✦	ULN2803A*	DIP-18	Hi-volt/curr. darl. transistor array	.59	.55	.49
34316	✦	ULN2803A℞	DIP-18	Hi-volt/curr. darl. transistor array	.65	.59	.55
700664	TI	ULN2803AN℞	DIP-18	Darlington transistor array, I-temp	.79	.65	.55
123625	NSC	LM2907N-8	DIP-8	Frequency to volt converter	1.75	1.49	1.19
23317	NSC	LM2907N	DIP-14	Frequency to volt converter	1.69	1.49	1.25
23350	NSC	LM2917N-8	DIP-8	Freq. to volt conv. w/ zener	1.49	1.35	1.19
23341	NSC	LM2917N-14	DIP-14	Freq. to volt conv. w/ zener	1.75	1.49	1.19
12079	✦	CA3046N	DIP-14	NPN transistor array	1.49	1.39	1.25
12159	✦	CA3086N	DIP-14	NPN transistor array	1.95	1.75	1.49
31974	✦	SG3524N	DIP-16	Regulating pulse width modulator	.79	.69	.59
51140	✦	7555IPA	DIP-8	CMOS timer	.45	.39	.35
51174	✦	7660CPA	DIP-8	CMOS volt converter (+5 to ±5V)	.75	.65	.55
53786	FSC	9602PC	DIP-16	Dual retrig. resett. monostable multivib.	.49	.45	.39
25021	ON	MC14411P	DIP-24	Bit rate frequency generator	5.95	4.95	3.95
118586	ON	MC145151P	DIP-28	Parallel input PLL freq synthesizer	4.95	3.95	2.95
1054684	TI	SN754410NE℞	DIP-16	Quad half-H drivers	1.95	1.75	1.55

*10 pcs./**20 pcs. included in Linear cabinet kit, above right

★ *MUX/DEMUXs — Enter Web Code RAB*

Linear IC Kit

★ *Web Code: CKS*

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 142 and 30 adhesive labels for drawers to identify parts in kit.

10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337N, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003A, ULN2803A, NE5532N, 7808T, 78L12, 7815T, 7905T, 7912CT, 7915CT

20 each: LM317T, LM324N, LM339N, LM741CN, LM555CN, 7805T, 78L05, 7812T

Part No.	Description	Wt. (lbs.)	1	5
84988	480 pcs. (40 types) analog IC kit	6.0	$199.95	$179.95
130411	Refill for 84988 (480 pcs.)	1.3	184.95	169.95

★ *Voltage References — Enter Web Code TBD*

Temperature Sensors

★ *Web Code: WAN*

Part No.	◉Mfr.	Product No.	Pkg/Pins	Description	1	10	100
107094	NSC	LM34CZ	TO-92/3	Prec temp sensor (-40° to +230°F)	$5.95	$5.25	$4.75
155192	NSC	LM34DZ	TO-92/3	Prec temp sensor (+32° to +212°F)	2.05	1.75	1.55
1467905	NSC	LM34DZ/NOPB℞	TO-92/3	Prec temp sensor (+32° to +212°F)	2.09	1.79	1.59
107107	NSC	LM35CZ	TO-92/3	Prec temp sensor (-40° to 110°C)	4.49	3.75	3.45
2162610	MCH	TC77-3.3MCTTR	SOT23/5	High accuracy (-55° to 125°C)	.75	.65	.55
192217	NSC	LM35DT	TO-220/3	Prec temp sensor (-55° to 150°C)	2.49	1.95	1.55
155740	NSC	LM35DZ	TO-92/3	Prec temp sensor (0° to +100°C)	1.59	1.25	.95
278387	ADI	TMP36GT9℞	TO-92	Low voltage temp. sensor	1.29	1.09	.95
120820	✦	LM335AZ℞	TO-92/3	Precision temperature sensor	.99	.89	.79
23755	✦	LM335Z	TO-92/3	Volt mode temperature sensor	.75	.65	.55
1268893	NSC	LM335Z/NOPB℞	TO-92/3	Precision temperature sensor	.79	.69	.59
241939	ADI	AD590JH	TO-52/3	Two terminal IC temp transducer	7.95	7.25	6.49
313306	ADI	AD594AQ	DIP-14	Thermocple amp for iron-constantan	13.95	13.49	13.25
313293	ADI	AD595AQ	DIP-14	Thermocple amp for chromel-alumel	14.95	13.95	12.95
302551	DAL	DS18S20	TO-92/3	High-prec. 1-wire digital thermo	3.95	3.25	2.25

Hall Effect Sensors

★ *Web Code: REB*

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
1718743	A1302EUA-T℞	SIP-3	4.5V to 6V, 11mA, 1.3mV/G sensitivity	$1.95	$1.75	$1.49
2135881	A1302KUA-T℞	SIP-3	4.5V to 6V, 11mA, 1.3mV/G sensitivity	1.95	1.75	1.49
1718701	A1104LUA-T℞	SIP-3	3.8V to 24V, 7.5mA, Brp=25G. Bop=450G	1.49	1.25	1.09
1871879	OH180U℞	SIP-3	Mono IC w/ hall linear amp & sensor	2.95	2.75	2.49

Voltage Regulators

★ *Web Code: TAC*

Part No.	◉Mfr.	Product No.	Pkg./Pins	Description	1	10	100
23499	✦	LM309K	TO-3/2	5V, 1A (0°C to +125°C)	$4.95	$4.49	$4.25
192268	NSC	LM317AT	TO-220/3	3-terminal adj. (1.2V-37V)	1.45	1.25	.89
837898	NSC	LM317AT/NOPB℞	TO-220/3	3-term. 1.5A output adj pos, I-temp	1.49	1.29	.95
192276	NSC	LM317HVT	TO-220/3	3-terminal adj. (1.2V-57V)	2.19	1.89	1.49
23544	✦	LM317K	TO-3/2	1.5A adj. positive (1.2V-37V)	3.95	3.49	3.25
23552	✦	LM317LZ	TO-92/3	100mA adj. positive (1.2V-37V)	.29	.25	.22
23579	✦	LM317T**	TO-220/3	1.5A adj. positive (1.2V-37V)	.35	.29	.25
23580	✦	LM317T℞	TO-220/3	1.5A adj. positive (1.2V-37V)	.49	.45	.39
23667	✦	LM323K	TO-3/2	5V, 3A positive	4.75	4.25	3.59
296841	✦	LM337LZ	TO-92/3	3-terminal adjustable negative	.49	.39	.29
23819	✦	LM337T*	TO-220/3	1.5A/adj. neg. (-1.2V-37V)	.49	.45	.39
23835	✦	LM338K	TO-3/2	5A adj. positive (1.2V-32V)	6.95	6.25	5.75
192284	NSC	LM338T	TO-220/3	5A adjustable	1.89	1.45	1.19
838621	NSC	LM338T/NOPB℞	TO-220/3	5A adjustable positive	1.75	1.49	1.25
900017	NSC	LM340T-5.0	TO-220/3	5V, 1A positive, I-temp	1.49	1.25	.95
23931	✦	LM350K	TO-3/2	3A/3 term. adj. pos. (1.2V-33V)	6.25	5.75	5.25
23940	✦	LM350T	TO-220/3	3A adjustable power	.59	.49	.45
24467	✦	LM723CN*	DIP-14	Voltage regulator (2V-37V)	.39	.35	.29
301719	✦	LM723H	TO-5/10	2V - 37V, 150mA adj.	2.95	2.49	1.95
107166	NSC	LM2936Z-5.0	TO-92/3	Ultra-low quiescent current 5V	1.69	1.49	1.29
51246	✦	7805K	TO-3/2	5V, 1A positive (LM340K-5)	2.49	2.25	1.95
51262	✦	7805T**	TO-220/3	5V, 1A positive (LM340T-5)	.29	.25	.22
51263	✦	7805T℞	TO-220/3	5V, 1A positive (LM340T-5)	.35	.29	.25

*10 pcs./**20 pcs. included in Linear kit, above

ANALOG DEVICES | FAIRCHILD | National Semiconductor | ON | ST | MICROCHIP | JAMECO ValuePro | TEXAS INSTRUMENTS | ASTEC

Semiconductors

Voltage Regulators (Continued)

★ **Web Code: TAC**

✳ Order in multiples of 10

Part No.	⊛Mfr.	Product No.	Pkg./Pins	Description	1	10	100
924570	ST	L7805ACV℞	TO-220/3	5V, 1.5A positive	$.39	$.35	$.29
924633	ST	L7805CV℞	TO-220/3	5V, 1.5A positive	.45	.39	.29
786138	FSC	LM7805CT℞	TO-220/3	5V, 1A positive, I-temp	.45	.39	.35
902071	NSC	LM7805CT	TO-220/3	5V, 1A positive	1.39	1.19	.95
876221	ON	MC7805CT	TO-220/3	5V, 1A positive, C-temp	.29	.25	.22
51182	✦	78L05**	TO-92/3	5V, 100mA positive	.25	.22	.17
51183	✦	78L05℞	TO-92/3	5V, 100mA positive	.29	.25	.19
192233	✦	78M05	TO-220/3	5V, 500mA positive	.29	.25	.22
51297	✦	7806T	TO-220/3	6V, 1A positive (LM340T-6)	.35	.29	.25
51300	✦	7808T*	TO-220/3	8V, 1A positive (LM340T-8)	.35	.29	.25
876352	ON	MC7809CT℞	TO-220/3	9V, 2.2A positive, C-temp	.39	.35	.29
1958641	FSC	LM7809CT℞	TO-220/3	9V, 2.2A positive	.59	.49	.39
192225	✦	78L09ACZ	TO-92/3	9V, 100mA positive	.29	.25	.19
51318	✦	7812K	TO-3/2	12V, 1A pos. (LM340K-12)	2.95	2.75	2.49
51334	✦	7812T**	TO-220/3	12V, 1A pos. (LM340T-12)	.29	.25	.22
51335	✦	7812T℞	TO-220/3	12V, 1A pos. (LM340T-12)	.39	.35	.29
889305	ST	L7812CV℞	TO-220/3	12V, 1.5A positive	.39	.35	.29
902127	NSC	LM7812CT	TO-220/3	12V, 1A positive	1.19	1.09	.95
51203	✦	78L12*	TO-92/3	12V, 100mA positive	✳	.19	.15
51377	✦	7815T*	TO-220/3	15V, 1A positive (LM340T-15)	.35	.29	.25
51414	✦	7824T	TO-220/3	24V, 1A positive (LM340T-24)	.35	.29	.25
51457	✦	7905T*	TO-220/3	-5V, 1A neg. (LM320T-5)	.35	.29	.25
51422	✦	79L05	TO-92/3	-5V, 100mA negative	.35	.29	.25
2132269	✦	7906A	TO-220/3	-6V, 500mA negative	✳	.15	.12
51481	✦	7912T*	TO-220/3	-12V, 1A neg. (LM320T-12)	.35	.29	.25
51502	✦	7915T*	TO-220/3	-15V, 1A neg. (LM320T-15)	.39	.35	.29
2205237	✦	GL-7924	TO-220/3	-24V, 2.2A	.45	.39	.35
316945	MOT	MC34063AP1	DIP-8	1.5 step-up/down invert sw reg	.59	.49	.39

*10 pcs./ **20 pcs. included in Linear kit, pg 12

Low Drop-Out Voltage Regulators

★ **Web Code: MBT**

Part No.	⊛Mfr.	Product No.	Pkg./Pins	Description	1	10	100
299743	NSC	LM1084IT-ADJ	TO-220/3	5A low dropout adj. pos.	$2.49	$2.25	$2.05
299735	NSC	LM1084IT-3.3	TO-220/3	5A low dropout 3.3V pos.	1.75	1.49	1.15
835593	NSC	LM1084IT-5.0/NOPB	TO-220/3	5A, 5V LDO pos., I-temp	2.49	2.25	1.95
192305	✦	LM1086CT-3.3	TO-220/3	1.5A low dropout pos. (3.3V)	.99	.89	.79
251782	NSC	LM1117MPX-ADJ	SOT-223/3	800mA low dropout linear	.79	.69	.59
242114	✦	LM1117T-3.3	TO-220/3	800mA, 3.3V, LDO	.89	.79	.69
242115	NSC	LM1117T-3.3/NOPB℞	TO-220/3	800mA, 3.3V, LDO	1.39	1.15	.85
2126230	TI	UC2833DW	SOIC-16	2V, 1A prec. LDO reg./controller	1.95	1.75	1.49
897188	NSC	LM2937ET-3.3	TO-220/3	500mA, 3.3V LDO, I-temp	1.49	1.25	.95
297810	NSC	LM2937ET-5.0	TO-220/3	500mA, 5V LDO, I-temp	1.49	1.25	.95
107182	✦	LM2940CT-5	TO-220/3	5V LDO reg. (max. 45Vin)	1.49	1.29	1.05
192495	NSC	LM2940CT-12	TO-220/3	12V LDO reg. (max. 45Vin)	1.49	1.29	1.05
837505	NSC	LM2940T-5.0/NOPB℞	TO-220/3	1A, 5V LDO, I-temp	1.39	1.19	1.05
121064	✦	LM2941CT	TO-220/5	1A LDO adjustable (45Vin)	1.49	1.25	.95
1944880	✦	LP2950ACN	TO-92/3	100mA 5V LDO reg.	.65	.55	.45
1323397	NSC	LP2950ACZ-3.3/NOPB℞	TO-92	3.3V μpwr volt. reg., I-temp	.89	.79	.69
266757	✦	LP2950CZ-5.0	TO-92/3	100mA low power LDO	.59	.49	.45
121110	✦	LP2951ACP	DIP-8	Adjustable μ power volt-reg.	.59	.49	.39
2126328	ALP	AS2954-3.3	TO-92/3	3.3V, 250mA output	1.95	1.75	1.59
2135671	✦	AS2954-5.0	TO-92/3	5.0V, 250mA LDO	.29	.25	.19
192524	✦	LM3940IT-3.3	TO-220/3	1A LDO for 5V to 3.3V	1.65	1.45	1.25

★**Power Drivers and Modules — Enter Web Code REK**

★**Switching Regulators — Enter Web Code DEN**

Simple Switcher Voltage Regulators

★ **Web Code: VAX**

Part No.	⊛Mfr.	Product No.	Pkg./Pins	Description	1	10
156566	✦	LM2574N-5	DIP-8	5V step-down regulator	$1.49	$1.25
192381	NSC	LM2576HVT-5.0	TO-220/5	3A step down V-reg, high Vin range	4.95	4.25
192372	NSC	LM2576HVT-ADJ	TO-220/5	3A step down V-reg, high Vin range	4.49	3.95
245569	✦	LM2576T-5.0	TO-220/5	3A step-down voltage regulator	2.29	2.05
120977	✦	LM2576T-ADJ	TO-220/5	3A step-down voltage regulator	1.95	1.75
300265	NSC	LM2595S-ADJ	TO-263/5	1A step down voltage regulator	.99	.89

PLCC Thru-Hole Sockets

JAMECO ValuePro

★ **Web Code: YAH**

- Solder tail allows through-hole board patterns in .100" grid • Thru-hole lead length: .125"
- Accepts JEDEC type "A" plastic leaded chip (0.05" centers)

71969

Part No.	Cross Ref. No.	Pins	Body Height (in.)	1	10	100
71811	G1P32	32	.375	$.29	$.22	$.15
71618	G1P444	44	.375	.75	.65	.59
72442	G1P452	52	.375	.85	.75	.69
71969	G1P468℞	68	.375	.89	.79	.75
71977	G1P484℞	84	.375	1.09	.95	.79

Single/Dual Wipe Solder Tail Low-Profile IC Sockets

- Contact current: 1A
- Contact resisistance: less than 5mΩ
- Dielectric withstanding voltage: 300V
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .140" (A)
- Body height: .188" (B)

JAMECO ValuePro

★ **Web Code: WAP**

112222
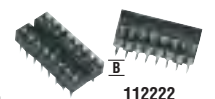
Order in multiples of 10

Part No.	⊛Mfr.	Product No.	Pins	Width (in.)	10	100	1000
112193	JVP	6LPD℞	6	0.3	$.14	$.11	$.10
51571	JVP	8LPD	8	0.3	.13	.10	.08
112206	JVP	8LPD℞	8	0.3	.14	.11	.09
37162	JVP	14LP (single wipe)	14	0.3	.13	.10	.09
112214	JVP	14LPD℞	14	0.3	.14	.11	.10
37372	JVP	16LP (single wipe)	16	0.3	.12	.10	.08
37373	JVP	16LPD	16	0.3	.18	.12	.10
112222	JVP	16LPD℞	16	0.3	.20	.13	.11
38113	JVP	18LP (single wipe)	18	0.3	.14	.12	.09
112231	JVP	18LPD℞	18	0.3	.17	.16	.12
38607	JVP	20LP (single wipe)	20	0.3	.14	.12	.10
112248	JVP	20LPD	20	0.3	.17	.16	.14
38608	JVP	20LPD℞	20	0.3	.18	.17	.15
112256	JVP	22SLPD	22	0.3	.07	.05	.03
39132	JVP	22LPD	22	0.4	.17	.16	.14
39378	JVP	24SLPD	24	0.3	.25	.23	.20
112282	JVP	24SLPD℞	24	0.3	.27	.25	.22
112264	JVP	24LPD	24	0.6	.24	.22	.18
112266	JVP	24LPD℞	24	0.6	.26	.22	.20
112299	JVP	28SLPD	28	0.3	.25	.23	.21
112300	JVP	28SLPD℞	28	0.3	.26	.24	.22
112272	JVP	28LPD	28	0.6	.25	.23	.20
40301	JVP	28LPD℞	28	0.6	.26	.24	.21
137621	JVP	32SLPD℞	32	0.6	.15	.12	.09
689979	✦	ED32DT	32	0.6	.15	.12	.09
112301	JVP	32LPD℞	32	0.6	.29	.25	.22
41110	JVP	40LP (single wipe)	40	0.6	.29	.25	.22
41111	JVP	40LPD	40	0.6	.33	.30	.26
112311	JVP	40LPD℞	40	0.6	.40	.36	.30
137622	JVP	42LPD	42	0.6	.12	.09	—
112326	JVP	64LDP	64	0.9	.12	.09	.07

⊛ **ALP** = Alpha | **FSC** = Fairchild | **JVP** = Jameco ValuePro | **MOT** = Motorola | **NSC** = National | **ON** = ON Semi | **ST** = ST Micro | ✦ **Major Brands**

★For additional products, availability and specifications visit *Jameco.com* and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Semiconductors

Machine Tooled Solder Tail Low-Profile IC Sockets

- Contact plating: gold   • Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: $300V_{RMS}$
- Insulation resistance: greater than 1000MΩ
- Material: beryllium copper or phosphor bronze
- Tin-plated leads
- Thru-hole lead length: .177" (A)   • Body height: .117" (B)

JAMECO ValuePro

★Web Code: GBA

65585

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
167004	6MLP℟	6	0.3	$.39	$.29	$.19
51626	8MLP℟	8	0.3	.49	.45	.29
37197	14MLP℟	14	0.3	.65	.55	.39
37402	16MLP℟	16	0.3	.75	.59	.45
65585	18MLP℟	18	0.3	.89	.75	.55
38623	20MLP	20	0.3	.85	.69	.49
192209	22SMLP	22	0.4	.89	.79	.69
39386	24SMLP	24	0.3	.95	.79	.59
39387	24SMLP℟	24	0.3	.99	.85	.65
39351	24MLP	24	0.6	1.09	.89	.65
114412	28SMLP℟	28	0.3	1.09	.89	.65
40328	28MLP	28	0.6	1.19	.95	.69
40329	28MLP℟	28	0.6	1.25	.99	.75
105381	32MLP℟	32	0.6	1.35	1.09	.89
41136	40MLP℟	40	0.6	1.69	1.39	.95
42059	48MLP	48	0.6	1.25	.99	.75

AMP DIP Low-Profile IC Sockets

★Web Code: QAF

Economy Ladder Style

- Dual wipe
- Housing: glass filled thermoplastic, black
- Contacts: phosphor bronze tin plating

683104   526205   683198

Order in multiples of 10

Part No.	Mfr. Part No.	Pos.	Plating	Width (in.)	10	100	500
683091	1-390261-1℟	6	60µ" tin	0.3	$.14	$.13	$.11
526299	390261-2	8	60µ" tin	0.3	.12	.10	.08
683104	1-390261-2℟	8	60µ" tin	0.3	.13	.11	.09
526192	390261-3	14	60µ" tin	0.3	.16	.13	.11
683112	1-390261-3℟	14	60µ" tin	0.3	.17	.14	.12
526205	390261-4	16	60µ" tin	0.3	.17	.14	.12
683121	1-390261-4℟	16	60µ" tin	0.3	.18	.15	.13
526213	390261-5	18	60µ" tin	0.3	.16	.13	.11
683139	1-390261-5℟	18	60µ" tin	0.3	.17	.14	.12
526221	390261-6	20	60µ" tin	0.3	.16	.14	.13
683163	1-390261-8℟	24	60µ" tin	0.3	.23	.20	.19
683198	1-390262-1℟	24	60µ" tin	0.6	.25	.21	.20
526248	390261-9	28	60µ" tin	0.3	.29	.24	.20
683171	1-390261-9℟	28	60µ" tin	0.3	.31	.25	.21
526256	390262-2	28	60µ" tin	0.6	.27	.25	.21
526272	390262-5	40	60µ" tin	0.6	.37	.31	.27
683227	1-390262-5℟	40	60µ" tin	0.6	.39	.32	.28

JDV Wire Wrap IC Socket I.D. Markers

★Web Code: YAG

- Material: plastic
- Can easily write location, part number or function
- Quick identification of pin numbers
- Slips onto socket before wrapping

37145

Part No.	◉Mfr.	Product No.	Pins	Width (in.)	1	10	100
37145	JVP	ID-14-100	14	0.3	$.69	$.59	$.45
38586	JDV	ID-20-50	20	0.3	.95	.75	.49
40299	JDV	ID-28-50	28	0.6	.49	.39	.29

★Transistors — Enter Web Code FEN

.100" Single-In-Line Machine Tooled Strip Sockets

- Solder tail or wire wrap

JAMECO ValuePro   **★Web Code: KAM**

78642   104054

Part No.	Description	Pins	Lead Length (in.)	1	10	100
164822	Straight single row	4	.160	$.75	$.65	$.59
138684	Straight single row	5	.160	.59	.49	.39
2100339	Straight single row℟	7	.160	.75	.65	.59
102201	Straight single row℟	10	.160	1.19	.95	.75
2125675	Straight single row	14	.160	.89	.69	.49
78642	Straight single row℟	30	.160	1.49	1.29	.95
175920	Straight single row℟	36	.160	1.75	1.59	1.29
101283	WW2 single row℟	20	.435 (2)	2.49	2.25	1.95
104054	WW3 single row℟	30	.575 (3)	2.95	2.75	2.49

2 & 3 Level Wire Wrap IC Sockets

★Web Code: SAF

- Contact plating/leads: tin (TWW); dual wipe
- Contact current: 1A   • Contact resistance: <5mΩ
- Sleeve material: brass
- Dielectric withstanding volt.: 300V
- Material: beryllium copper or phosphor bronze
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Thru-hole lead length: .438" (L2); .638" (L3)   • Body height: .300" (A)

CA

196841

Part No.	◉Mfr.	Product No.	Pins	Width (in.)	1	10	100
196841	JVP	14TWW3	14	0.3	$1.49	$1.25	$.95
37437	CA	16TWW2℟	16	0.3	2.95	2.75	2.49
75416	CA	24TWW2	24	0.6	1.49	1.25	.95

JAMECO ValuePro 3 Level Machine Tooled Wire Wrap IC Sockets

- Contact plating: gold
- Sleeve material: brass
- Contact resis.: <5m   • Tin-plated leads
- Material: beryllium copper or phosphor bronze
- Dielectric withstanding voltage: $300V_{RMS}$
- Insulation resistance: greater than 1000MΩ
- Body height: .115" (A)   • Thru-hole lead length: .586" (L)
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide

★Web Code: FAL
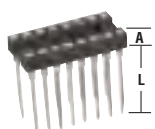
37411

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
94474	8MSWW3℟	8	0.3	$1.49	$1.35	$1.19
62051	14MSWW3℟	14	0.3	1.75	1.55	1.35
37411	16MSWW3℟	16	0.3	2.25	1.95	1.75
94482	18MSWW3℟	18	0.3	2.49	2.25	1.95
38632	20MSWW3℟	20	0.3	2.49	2.25	1.95
105372	24SMSWW3℟	24	0.3	2.75	2.49	2.25
94491	24MSWW3℟	24	0.6	2.95	2.75	2.49
200716	283MSWW3℟	28	0.3	3.25	2.95	2.75
40337	28MSWW3℟	28	0.6	3.95	3.49	3.25
94503	40MSWW3℟	40	0.6	4.95	4.49	3.95

Machine Contact Dual-In-Line Female Sockets

- 0.100" centers   • Pin sleeve: tin
- Solder tail contact: .114"L
- Contact clip: gold

★Web Code: KAM   **JAMECO ValuePro**

212856

Part No.	Cross Ref. No.	Pins	1	10	100
212856	SA101000℟	10	$.95	$.85	$.75
212936	SA481000℟	48	1.09	.99	.89

JAMECO ValuePro SIMM Vertical Socket

★Web Code: WAL

- Locking tabs   • Tinned contacts
- Memory module sockets   • Keyed mounting posts

Part No.	◉Mfr.	Cross Ref. No.	Description	1	10	100
100302	JVP	2000-1X30S℟	Single x 30-pin, vertical	$1.49	$1.35	$1.19

◉ CA = Circuit Assembly | JDV = JDV Products Inc. | JVP = Jameco ValuePro

℟ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

IC Sockets & Transistors

Semiconductors

[ST logo] [CA] [FAIRCHILD] [JDV] [MOTOROLA] [NTE] [ME]

Low Profile ZIF Sockets
★ Web Code: UBX

Series 526
- Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200µ" (5.08µm) tin plating
- Contact res.: 10mΩ max. • Contact current: 2A
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm) • Zinc alloy cam
- Operating temp.: -67°F to 221°F (-55°C to 105°C)
- Suggested PCB hole size: .035"Dia. (0.89mm)
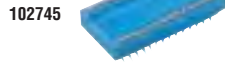
102745

Part No.	Mfr. Part No.	Pins	Size (L" x W")	1	5	25
296789	24-526-10ℛ	24	1.45 x .75	$7.95	$7.25	$6.75
102745	28-526-10ℛ	28	1.64 x .75	8.95	7.95	6.95
102753	40-526-10ℛ	40	2.24 x .75	9.95	8.95	7.95

High Temp. Universal ZIF Test Sockets

Series 6554
- Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- -10: 100µ" tin over 50µ" nickel; -11: 10µ" gold over 50µ" nickel
- Operating temperature:
  - -10: 221°F (105°C) – tin plating
  - -11: 302°F (150°C) – gold plating
★ Web Code: AAN
- Socket body: UL 94V-0 glass-filled PPS • Beryllium copper contact plating
- Stainless steel handle • Center pins: 0.600" • Insulation resistance: 1000MΩ
- Contact current: 1A • Dielectric withstanding voltage: 1000VAC

104012

Part No.	Mfr. Part No.	Pins	Size (L" x W")	1	5	25
103992	24-6554-10ℛ	24	1.8 x 0.9	$8.49	$7.75	$7.25
104003	28-6554-10ℛ	28	2.0 x 0.9	9.95	8.95	7.95
104012	32-6554-10ℛ	32	2.1 x 0.9	9.95	8.95	7.95
104030	40-6554-10ℛ	40	2.5 x 0.9	11.95	10.95	9.95
295233	40-6554-11ℛ	40	2.0 x 0.9	17.75	16.75	16.25

SOIC/SOJ to DIP Adapters
★ Web Code: YBS

- Board material: 0.062" thick FR-4 w/ 1 oz. copper traces on both sides
- Brass alloy pins with 200µ" (5.08µm) min. tin plating
- Operating temperature: 221°F (105°C) max.
- Suggested PCB hole size: 0.028"Dia. (0.71mm)
- Center pins: 0.300" (7.62mm)

291515

Part No.	Mfr. Part No.	Pins	Size (L" x W")	1	10	100
291208	08-350000-11RCℛ	8	.400 x .46	$6.95	$6.29	$5.69
291515	16-350000-11RCℛ	16	.800 x .45	7.49	6.75	5.59
291980	24-350000-11RCℛ	24	1.20 x .45	7.95	6.95	6.25

Transistors
★ Web Code: FEN

✹ Order in multiples of 10

Part No.	✹Mfr.	Product No.	Pkg.	Desc.	V_CEO	Min. (h_FE @ Ic)	1	10	100
26462	✦	MPSA06	TO-92	NPN	80	100k @ .01A	✹	$.12	$.10
26489	✦	MPSA13*	TO-92	NPN	30	5k @ .01A	✹	.12	.10
210593	✦	MPSA14	TO-92	NPN	30	20k @ .10A	✹	.19	.15
210681	✦	MPSA18*	TO-92	NPN	45	500 @ .001A	✹	.15	.12
33021	✦	TIP29A	TO-220	NPN	60	15 @ 1A	.39	.35	.25
33048	✦	TIP31A*	TO-220	NPN	60	10 @ 3A	.39	.35	.25
179354	FSC	TIP31C	TO-220	NPN	100	10 @ 3A	.39	.35	.25
890568	ST	TIP35Cℛ	TO-247	NPN	100	25 @ 1.5A	1.49	1.25	1.09
33081	✦	TIP41A	TO-220	NPN	60	15 @ 3A	.49	.39	.29
179371	✦	TIP41Cℛ	TO-220	NPN	100	15 @ 3A	.49	.39	.29
178546	✦	MPSA42	TO-92	NPN	30	40 @ .03A	✹	.15	.12
32977	✦	TIP102*	TO-220	NPN	100	1k @ 3A	.45	.39	.35
179240	FSC	TIP102	TO-220	NPN	100	1k @ 3A	.75	.65	.55
32993	✦	TIP120*	TO-220	NPN	60	1k @ 3A	.39	.35	.29
32994	✦	TIP120ℛ	TO-220	NPN	60	1k @ 3A	.49	.45	.39
179291	FSC	TIP120	TO-220	NPN	60	1k @ 3A	.59	.49	.39

*10 pcs. in Transistor cabinet kit, pg 16

Transistors (Continued)
★ Web Code: FEN

✹ Order in multiples of 10

| Part No.	✹Mfr.	Product No.	Pkg.	Desc.	V_CEO	Min. (h_FE @ Ic)	1	10	100
120416	✦	TIP122	TO-220	NPN	100	1k @ 3A	$.59	$.49	$.39
179303	FSC	TIP122	TO-220	NPN	100	1k @ 3A	.65	.55	.45
260558	NTE	NTE123AP	TO-92	NPN	40	40 @ .001A	1.49	1.25	1.09
890445	ST	TIP142ℛ	TO-218	NPN	100	1k @ 0.5A	1.49	1.25	1.09
2132293	✦	BD158	TO-126	NPN	300	30 @ .05A	.29	.25	.19
254810	✦	BC337	TO-92	NPN	45	100 @ .10A	✹	.15	.12
254801	✦	BC547Bℛ	TO-92	NPN	45	330 @ .002A	✹	.12	.09
254799	✦	BC547C	TO-92	NPN	45	600 @ .002A	✹	.10	.08
254781	✦	BC548B	TO-92	NPN	30	110 @ .002A	✹	.10	.08
800568	MOT	MPS918	TO-92	NPN	15	20 @ .003A	✹	.15	.12
38228	✦	2N2219A	TO-39	NPN	40	100 @ .15A	.79	.69	.59
26446	✦	MPQ2222	DIP-14	NPN	40	100 @ .15A	2.95	2.75	2.49
28628	✦	PN2222**	TO-92	NPN	30	100 @ .15A	✹	.10	.07
38236	✦	2N2222A*	TO-18	NPN	40	100 @ .15A	.79	.69	.59
38237	✦	2N2222Aℛ	TO-18	NPN	40	100 @ .15A	.89	.79	.69
213938	✦	MMBT2222A	SOT-23	NPN	40	100 @ .15A	✹	.10	.07
210673	✦	MPS2222A	TO-92	NPN	40	40 @ .50A	✹	.15	.12
178511	✦	PN2222A	TO-92	NPN	40	100 @ .15A	✹	.12	.10
178512	✦	PN2222Aℛ	TO-92	NPN	40	100 @ .15A	✹	.15	.12
787536	FSC	PN2222ABUℛ	TO-92	NPN	40	300 @ .15A	✹	.05	.04
38295	✦	2N3053*	TO-39	NPN	40	25 @ .15A	.89	.79	.69
38308	✦	2N3055+*	TO-3	NPN	60	15 @ 10A	1.19	1.09	.99
211406	✦	2N3055A	TO-3	NPN	60	20 @ 4A	2.49	2.25	1.95
211385	✦	TIP3055	TO-218	NPN	60	5 @ .001A	1.19	1.09	.99
25857	✦	MJE3055T	TO-220	NPN	60	20 @ 4A	.65	.55	.45
209242	✦	2N3771	TO-3	NPN	40	15 @ 15A	2.25	1.95	1.75
38359	✦	2N3904**	TO-92	NPN	40	100 @ .01A	✹	.10	.08
38360	✦	2N3904ℛ	TO-92	NPN	40	100 @ .01A	✹	.12	.10
178597	FSC	2N3904	TO-92	NPN	40	100 @ .01A	✹	.12	.10
783421	FSC	2N3904BUℛ	TO-92	NPN	40	100 @ .01A	✹	.09	.07
94967	✦	MMBT3904	SOT-23	NPN	40	100 @ .01A	✹	.09	.07
38421	✦	2N4401*	TO-92	NPN	40	100 @ .15A	✹	.10	.07
783498	FSC	2N4401TAℛ	TO-92	NPN	40	20 @ .1mA	✹	.10	.07
140373	✦	2N5179	TO-72	NPN	12	25 @ .003A	2.95	2.59	2.25
1945081	FSC	2N5306	TO-92	NPN	25	7000 @ .002A	✹	.15	.12
2158979	✦	2N6284	TO-3/2	NPN	100	750 @ 10A	2.95	2.59	2.29
924300	ST	2N6284ℛ	TO-3/2	NPN	100	750 @ 10A	3.95	3.49	2.95
194618	✦	2N6547	TO-3	NPN	400	12 @ 5A	3.95	3.49	2.95
194626	✦	2N6678	TO-3	NPN	400	8 @ 15A	6.95	6.25	5.59
33030	✦	TIP30A	TO-220	PNP	60	15 @ 1A	.59	.49	.39
33064	✦	TIP32A*	TO-220	PNP	60	10 @ 3A	.39	.35	.25
181841	✦	TIP32C	TO-220	PNP	100	10 @ 3A	.39	.35	.25
890592	ST	TIP36Cℛ	TO-218	PNP	100	25 @ 1.5A	1.49	1.35	1.19
33101	✦	TIP42A	TO-220	PNP	60	15 @ 3A	.49	.45	.35
139580	✦	TIP42C	TO-220	PNP	100	15 @ 3A	.49	.39	.29
179258	✦	TIP107	TO-220	PNP	100	1k @ 3A	.59	.49	.35
288526	✦	TIP115	TO-220	PNP	60	1k @ 1A	.49	.39	.29
33013	✦	TIP125	TO-220	PNP	60	1k @ 3A	.49	.39	.29
179320	✦	TIP127	TO-220	PNP	100	1k @ 3A	.49	.39	.29
890488	ST	TIP147ℛ	TO-218	PNP	100	1k @ 5A	1.75	1.49	1.29
260611	NTE	NTE159	TO-92	PNP	80	50 @ .01A	1.49	1.25	1.09
1215986	✦	BC327ℛ	TO-92	PNP	45	100 @ .10A	✹	.12	.10
2169521	ON	BC557CGℛ	TO-92	PNP	-45	800 @ -2A	✹	.15	.10
2125456	MEC	MH810	TO-220	PNP	30	240 @ .5A	✹	.10	.08
194378	✦	2N2905A	TO-39/3	PNP	60	100 @ .15A	.89	.79	.65
28644	✦	PN2907**	TO-92	PNP	40	100 @ .15A	✹	.10	.07
211342	✦	MPS2907A	TO-92	PNP	40	100 @ .15A	✹	.15	.11
178520	✦	PN2907A	TO-92	PNP	60	100 @ .15A	✹	.09	.07
38279	✦	2N2907A*	TO-18	PNP	60	100 @ .15A	.69	.59	.49

*10 pcs./**100 pcs. in Transistor cabinet kit, pg 16

✦ FSC = Fairchild Semi | MEC = Micro Electronics | MOT = Motorola | NTE = NTE Electronics | ON = ON Semi | ST = ST Micro | ✦ Major Brands

★For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Transistors (Continued)

★ Web Code: FEN

Part No.	✱Mfr.	Product No.	Pkg.	Desc.	V$_{CEO}$	Min. (h$_{FE}$ @ Ic)	1	10	100
211502	✦	MJ2955	TO-3	PNP	60	20 @ 4A	$1.29	$1.19	$1.09
25831	✦	MJE2955T	TO-220	PNP	60	20 @ 4A	.45	.39	.35
38375	✦	2N3906**	TO-92	PNP	40	100 @ .01A	✱	.099	.069
178618	FSC	2N3906ℛ	TO-92	PNP	40	100 @ .01A	✱	.12	.099
38447	✦	2N4403*	TO-92	PNP	40	100 @ .15A	✱	.099	.069
210649	✦	2N5401*	TO-92	PNP	150	60 @ .01A	✱	.13	.11
261121	NTE	NTE6410	TO-92	PNP	30	—	4.95	4.59	4.25
2095411	✦	EPX-002P	Transistor mtg. pads TO-92/98/18/72				✱	.07	.05

*10 pcs./**100 pcs. in Transistor cabinet kit, below

Transistor Assortment Cabinet Kit

★ Web Code: CKS

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611, pg 142) and 30 adhesive labels for drawers to identify parts in kit

10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5401, 2N7000, MJE3055T, MPSA18, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120
100 each: 2N3904, 2N3906, PN2222, PN2907

Part No.	Description	Wt. (lbs.)	1	5
82595	560 pcs. (20 types) NPN, PNP transistor kit	5.1	$69.95	$59.95
130374	Refill for 82595 (560 pcs.)	0.4	54.95	49.95

J-FETs

Please Note: Manufacturer may vary   ★ Web Code: JAD

Part No.	Product No.	Pkg.	Channel	BV$_{GS}$ @ IG(µA)	I$_{DSS}$ (mA) @ V$_{DS}$	1	10	100
26403	MPF102	TO-92	N	-25 @ -10	2 @ 15	$.99	$.89	$.79
210622	2N3819	TO-92	N	-25 @ -1	20 @ 15	.69	.59	.49
253948	2N5457	TO-92	N	-25 @ -10	1 @ 15	.89	.79	.69
253921	2N5458	TO-92	N	-25 @ -10	2 @ 15	.89	.79	.69
253577	2N5486	TO-92	N	-25 @ -1	8 @ 15	.99	.89	.79
38527	2N5951	TO-92	N	-30 @ -1	7 @ 15	.99	.89	.79
2159699	U1898	TO-92	N	-40 @ 50	20 @ 15	.59	.49	.39
253913	2N5460	TO-92	P	40 @ 10	-1 @ -15	.85	.75	.65
253905	2N5461	TO-92	P	40 @ 10	-2 @ 15	.79	.69	.59

Ⓘ🅡 Hexfet Power MOSFETs

★ Web Code: HDU

Part No.	Mfr. Part No.	Pkg.	Channel	BV$_{DS}$	Min. On-St. Drain Source	1	10	100
1563147	IRFZ44NPBFℛ	TO-220AB	N	55	49A	$1.35	$1.15	$.95
1560051	IRF540NPBFℛ	TO-220AB	N	100	33A	1.45	1.15	.85
1559965	IRF5305PBFℛ	TO-220AB	P	-55	-31A	1.29	.89	.75

N-Channel & P-Channel MOSFETs

★ Web Code: GCJ

✱ Order in multiples of 10

Part No.	✱Mfr.	Product No.	Pkg.	Channel	BV$_{DS}$	Min. On-St. Drain Source	1	10	100
812391	ST	STP80NF03L-04ℛ	TO-220	N	30	80A	$2.49	$2.25	$1.95
669871	✦	IRFZ24N	TO-220AB	N	55	17A	.89	.79	.59
669935	✦	IRFZ34N	TO-220AB	N	55	26A	1.09	.89	.69
669943	✦	IRLZ34N	TO-220AB	N	55	30A	1.09	.89	.69
669951	✦	IRFZ44N	TO-220AB	N	55	49A	1.25	1.05	.85
669978	✦	IRFZ46N	TO-220AB	N	55	53A	1.29	.99	.79
669986	✦	IRFZ48N	TO-220AB	N	55	64A	1.39	1.15	.89
256031	✦	BS170	TO-92	N	60	0.5A (max.)	✱	.15	.12
1217519	FSC	BS170ℛ	TO-92	N	60	0.5A (max.)	✱	.19	.15
670098	✦	IRFP250N	TO-247AC	N	200	30A	1.95	1.49	1.29
670101	✦	IRFP260N	TO-247	N	200	50A	3.49	2.55	2.09
670135	✦	IRFP450	TO-247	N	500	14A	2.75	2.25	1.95
670143	✦	IRFP460	TO-247	N	500	20A	2.95	2.75	2.49
209234	✦	IRF510	TO-220	N	100	5.6A	.79	.69	.59
1559885	INR	IRF510PBFℛ	TO-220	N	100	5.6A	.89	.79	.69
209226	✦	IRF520	TO-220	N	100	10A	.69	.59	.49
1559906	INR	IRF520PBFℛ	TO-220	N	100	10A	.79	.69	.59

N-Channel & P-Channel MOSFETs (Cont.)

★ Web Code: GCJ

✱ Order in multiples of 10

Part No.	✱Mfr.	Product No.	Pkg.	Channel	BV$_{DS}$	Min. On-St. Drain Source	1	10	100
209058	✦	IRL520	TO-220	N	100	9.2A	$.89	$.79	$.69
210500	✦	IRF530	TO-220	N	100	14A	.79	.69	.59
670151	✦	IRF530N	TO-220AB	N	100	17A	.95	.85	.65
670160	✦	IRL530N	TO-220AB	N	100	17A	.95	.85	.65
210518	✦	IRF540	TO-220	N	100	27A	.89	.79	.69
670194	✦	IRL540N	TO-220AB	N	100	36A	1.39	1.09	.95
210526	✦	IRF620	TO-220	N	200	6.0A	.75	.65	.55
210534	✦	IRF630	TO-220	N	200	9.0A	.59	.49	.45
210542	✦	IRF640	TO-220	N	200	18A	1.09	.99	.79
670231	✦	IRF644	TO-220AB	N	250	14A	1.29	1.15	.89
210551	✦	IRF730	TO-220	N	400	5.5A	.89	.79	.69
210569	✦	IRF740	TO-220	N	400	10A	.99	.89	.79
210577	✦	IRF820	TO-220	N	500	4.0A	.89	.79	.69
210585	✦	IRF830	TO-220	N	500	4.5A	.89	.79	.69
184719	✦	IRF840	TO-220	N	500	8.0A	.85	.75	.65
787798	FSC	RFP12N10Lℛ	TO-220AB	N	100	12A	.65	.59	.55
670282	✦	IRF1405ℛ	TO-220AB	N	55	169A	2.49	2.09	1.75
279460	✦	VN2222LL	TO-92	N	60	0.15A	.29	.25	.15
874875	FSC	NDT3055Lℛ	SOT-223	N	60	4A	.39	.29	.19
618089	✦	IRF3205	TO-220AB	N	55	110A	1.75	1.45	1.25
785590	FSC	FQP50N06ℛ	TO-220	N	60	50A	.99	.89	.75
875051	FSC	RFP50N06ℛ	TO-220AB	N	60	50A	1.09	.95	.85
119423	✦	2N7000	TO-92	N	60	0.3A	✱	.07	.05
178669	FSC	2N7000*	TO-92	N	60	0.2A	✱	.08	.06
783594	FSC	2N7000ℛ	TO-92	N	60	0.2A	✱	.15	.12
256057	✦	BS250	TO-92	P	-45	0.25A (max.)	.75	.65	.55
1944901	✦	ZVP3306A	TO-92	P	-60	-0.16A†	.55	.45	.35
670442	✦	IRF4905	TO-220AB	P	-55	-74A	1.85	1.49	1.35
1559851	INR	IRF4905PBFℛ	TO-220AB	P	-55	-74A	1.95	1.59	1.45
670477	✦	IRF5210	TO-220AB	P	-100	-40A	1.39	1.29	1.19
670485	✦	IRF5305	TO-220AB	P	-55	-31A	1.09	.95	.75
670581	✦	IRF9Z34N	TO-220AB	P	-55	-19A	1.09	.99	.75
670629	✦	IRF9520	TO-220AB	P	-100	-6A	.85	.69	.59
670741	✦	IRF9530	TO-220AB	P	-100	-12A	1.19	1.09	.95
670637	✦	IRF9530N	TO-220AB	P	-100	-14A	1.25	1.05	.85
670645	✦	IRF9540N	TO-220AB	P	-100	-23A	1.49	1.19	.95
670653	✦	IRF9640	TO-220AB	P	-200	-11A	1.39	1.19	.95

*10 pcs. in Transistor cabinet kit, above left   † DMOS FET

Small Signal Diodes

★ Web Code: JDQ

Order in multiples of 10

Part No.	✱Mfr.	Product No.	Pkg.	Description	10	100	1000
36311	✦	1N914**	DO-35	75PRV, 0.01A	✱	$.05	$.02	$.015
179207	VSH	1N914-TR	DO-35	100PRV	.05	.03	.02
655269	✦	1N914A	DO-35	100V$_{RRM}$, 0.2A	.05	.03	.02

**100 pcs. in Diode/Rectifier cabinet kit, page 17

★Transient Voltage Suppressors — Enter Web Code QBQ

Diodes

★ Web Code: PAK

✱ Order in multiples of 10

Part No.	✱Mfr.	Product No.	Pkg.	Description	1	10	100
1559164	INR	HFA08TB60PBFℛ	TO-220AC	600VBR, 8A (Ultrafast)	$1.75	$1.49	$1.25
35941	✦	1N270*	DO-7	80PRV (Germanium)	.99	.89	.79
312101	✦	MBR1100	DO-41	100PRV, 1.0A (Schottky)	.25	.22	.19
743285	FSC	1N4148ℛ	DO-35	75PRV, 0.01A (Switching)	✱	.06	.03
36038	✦	1N4148**	DO-35	75PRV, 0.01A (Switching)	✱	.05	.02
151247	✦	1N4148T	DO-35	75PRV, 0.01A (tape/reel)	✱	.05	.02
179215	VSH	1N4148	DO-35	100PRV (Switching)	✱	.05	.02
656042	✦	1N4150	DO-35	75BV, 0.4A (Ultrafast)	✱	.08	.06
743710	ST	1N6263ℛ	DO-35	60V$_{RRM}$, 50mA (Schottky)	✱	.15	.12
1558946	INR	80SQ045ℛ	DO-204	40V$_{RRM}$, 8A (Schottky)	1.39	1.29	1.09

*10 pcs./**100 pcs. in Diode/Rectifier cabinet kit, pg 17

✱ FSC = Fairchild Semi | INR = International Rectifier | NTE = NTE | ST = ST Micro | VSH = Vishay Technology | ✦ Major Brands

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Semiconductors

Zener Diodes
★ Web Code: LAF

※ Order in multiples of 10

Part No.	※Mfr.	Product No.	Pkg.	V_Znom	Pwr Dissipation	1	10	100
36290	✦	1N751A	DO-35	5.1V	0.5W	※	$.07	.05
178773	VSH	1N4732A	DO-41	4.7V	1W	※	.10	.08
36097	✦	1N4733A*	DO-41	5.1V	1W	※	.06	.05
36118	✦	1N4734A	DO-41	5.6V	1W	※	.06	.05
36126	✦	1N4735A	DO-41	6.2V	1W	※	.06	.05
178837	✦	1N4739A	DO-41	9.1V	1W	※	.06	.05
36169	✦	1N4742A*	DO-41	12V	1W	※	.05	.04
36185	✦	1N4744A	DO-41	15V	1W	※	.07	.05
782922	FSC	1N4749AT/R𝓡	DO-41	24V	1W	※	.05	.04
179004	✦	1N5225B𝓡	DO-35	3.0V	0.5W	※	.10	.06
743488	FSC	1N5226B𝓡	DO-35	3.3V	0.5W	※	.05	.04
179039	✦	1N5230B	DO-35	4.7V	0.5W	※	.08	.06
179047	✦	1N5231B	DO-35	5.1V	0.5W	※	.09	.07
804818	ON	1N5352BG𝓡	Surmetic-40	15V	5W	.35	.25	.19
804914	ON	1N5359BG𝓡	Surmetic-40	24V	5W	.35	.25	.19

*10 pcs. in Diode/Rectifier cabinet kit, below

## Diode/Rectifier Assortment Cabinet Kit
★ Web Code: CKS

420 pcs. (15 types) Diodes, Zener Diodes, Switching and Silicon Rectifiers

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 142 and 30 adhesive labels for drawers to identify parts in kit.

10 each: 1N270, 1N751A, 1N4001, 1N4007, 1N4150, 1N4733A, 1N4735A, 1N4742A, 1N5404, 1N5408, C106B1, KBP04M

100 each: 1N914, 1N4004, 1N4148
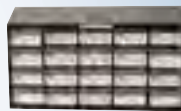
Part No.	Description	Wt. (lbs.)	1	5
82587	420 pcs. (15 types) diode kit	5.0	$44.95	$39.95
130366	Refill for 82587 (420 pcs.)	0.3	29.95	26.95

Triacs
★ Web Code: PAE

Part No.	※Mfr.	Product No.	Pkg.	Rating	1	10	100
160098	✦	HT-32	DO-35	27.37 V_BO, 2A	$.35	$.29	$.25
31819	✦	SC146B	TO-220	200 V_DRM, 10A (2N6342)	1.75	1.49	1.25
31827	✦	SC146M	TO-220	600 V_DRM, 10A (2N6344)	2.25	1.95	1.75
1165690	BNS	TIC201M	TO-220	600 V_DRM, 2.5A	.49	.39	.25
160207	TEC	Q4008L4	TO-220AB	400 V_DRM, 8A	1.19	1.05	.95
220492	TEC	Q4008R4	TO-220AB	400 V_DRM, 8A	.99	.89	.69
139336	TEC	Q4015L5	TO-220AB	400 V_DRM, 15A	1.75	1.49	1.29
160215	TEC	Q6008L5	TO-220AB	600 V_DRM, 8A	1.59	1.39	1.19
160231	TEC	Q6015L5	TO-220AB	600 V_DRM, 15A	1.95	1.75	1.49
220505	TEC	Q6025R6	TO-220AB	600 V_DRM, 25A	2.39	2.19	1.95
2034010	ST	BTA12-600BWRG𝓡	TO-220AB	600 V_DRM, 30A	1.25	1.09	.95
220521	TEC	Q6035P5	TO-3	600 V_DRM, 35A	6.95	5.95	4.95
140425	✦	2N6071A	TO-225AA	200 V_DRM, 4A	.59	.55	.45

SanRex® Fast-On Package Triac

Part No.	Mfr. Part No.†	Pkg.	Rating (X_DRM, I_T(RMS))	1	10	100
658275	TG35F60𝓡	Fast-On	Isolated 35A, 600V	$8.95	$7.95	$6.95

† For cross-references to Littelfuse, ST, and ON Semi products refer to datasheets @ Jameco.com.

Rectifiers
★ Web Code: LBD

Part No.	※Mfr.	Product No.	Pkg.	Rating	1	10	100	1000
177754	TAT	T6A05L	T6L	50 PIV, 6A	$.39	$.35	$.29	$.25
177762	TAT	T6A10L	T6L	100 PIV, 6A	.49	.45	.39	.35
177818	TAT	T6A100L	T6L	1000 PIV, 6A	.69	.59	.49	.45
2126011	DDI	SR506-T	DO-201AD	60 PRV, 5A (Schottky)	.39	.29	.25	.19

Rectifiers (Continued)
★ Web Code: LBD

※ Order in multiples of 10

Part No.	※Mfr.	Product No.	Pkg.	Rating	1	10	100	1000
35924	✦	1N1188	DO-5	400 PRV, 35A	$4.25	$3.75	$3.35	$3.15
2197610	KST	1N1190A𝓡	DO-5	600 PRV, 40A	5.49	4.95	4.49	3.25
2197628	KST	1N1190RA𝓡†	DO-5	600 PRV, 40A	5.49	4.95	4.49	3.25
618097	✦	MBR2535CT	TO-220	35 VRPM, 30A	.69	.59	.49	.39
35975	✦	1N4001*	DO-41	50 PRV, 1A	※	.05	.02	.015
76961	✦	1N4002	DO-41	100 PRV, 1A	※	.05	.02	.015
76970	✦	1N4003	DO-41	200 PRV, 1A	※	.05	.02	.015
35991	✦	1N4004**	DO-41	400 PRV, 1A	※	.05	.02	.015
76988	✦	1N4005	DO-41	600 PRV, 1A	※	.05	.03	.02
76996	✦	1N4006	DO-41	800 PRV, 1A	※	.05	.03	.02
36011	✦	1N4007*	DO-41	1000 PRV, 1A	※	.05	.02	.015
36012	✦	1N4007𝓡	DO-41	1000 PRV, 1A	※	.05	.02	.015
1537951	DDI	1N4007-T	DO-41	1000 V_RRM, 1A	.06	.05	.03	
274811	SGS	HYT11-600	DO-41	1000V, 1A	.29	.25	.19	.12
36249	✦	1N5401	DO-201AD	100 PRV, 3A	.12	.16	.08	
77083	✦	1N5402	DO-27A	200 PRV, 3A	.14	.12	.10	
36265	✦	1N5404*	DO-27A	400 PRV, 3A	.12	.10	.08	
36273	✦	1N5408*	DO-27A	1000 PRV, 3A	.12	.10	.08	
36274	✦	1N5408𝓡	DO-27A	1000 PRV, 3A	.13	.11	.09	
177949	✦	1N5817	DO-204AL	20 PIV, 1A	.14	.12	.10	
177957	✦	1N5818	DO-204AL	30 PIV, 1A	.14	.12	.10	
177965	✦	1N5819	DO-204AL	40 PIV, 1A	.14	.12	.10	
177973	✦	1N5820	DO-201AD	20 PIV, 3A	.09	.05	.04	
177981	✦	1N5821	DO-201AD	30 PIV, 3A	※	.14	.12	.10
177990	✦	1N5822	DO-201AD	40 PIV, 3A	.16	.14	.12	
2138804	✦	1T2	DO-41	100 V_RRM, 1A	※	.04	.03	.02
2126310	ST	BYW80-50	TO-220AC	50 PIV, 8A	.29	.19	.15	.09

*10 pcs./ **100 pcs. in Diode/Rectifier cabinet kit, left   †Reverse polarity

Bridge Rectifiers
★ Web Code: MBD

Part No.	※Mfr.	Product No.	Pkg.	Rating	1	10	100
178001	✦	DF005M	DF	50 V_RRM, 1A	$.29	$.25	$.22
103000	✦	DF01M	DF	100 V_RRM, 1A	.29	.25	.22
103042	✦	DF02M	DF	200 V_RRM, 1A	.29	.25	.22
102971	✦	DF04M	DF	400 V_RRM, 1A	.35	.29	.25
103034	✦	DF06M	DF	600 V_RRM, 1A	.35	.29	.25
103026	✦	DF10M	DF	1000 V_RRM, 1A	.35	.29	.25
145429	✦	KBP02M	KBP	200 V_RRM, 1.5A	.25	.19	.12
119562	✦	KBP04M*	KBP	400 V_RRM, 1.5A	.49	.45	.39
103018	✦	W02G	W0G	200 V_RRM, 1.5A	.29	.25	.22
102980	✦	W04G	W0G	400 V_RRM, 1.5A	.35	.29	.25
178132	✦	W01M	W0M	100 V_RRM, 1.5A	.25	.22	.19
178141	✦	W02M	W0M	200 V_RRM, 1.5A	.29	.25	.22
178183	TAT	BR805D	BR8D	50 PIV, 2A	.49	.45	.39
678137	✦	2KBP04M	KBP	400 V_RRM, 2A	.35	.29	.25
253260	✦	2KBP06M	KBP	600 V_RRM, 2A	.45	.35	.29
253286	✦	2KBP10M	KBP	1000 V_RRM, 2A	.45	.35	.29
1541466	DDI	RS405L	RS-4L	600 V_RRM, 4A	.89	.79	.69
1545416	DDI	KBU8B𝓡	KBU	100 V_RRM, 8A	1.19	.99	.79
2138871	✦	GBU4J	GBU	600 V_RRM, 4A	.49	.45	.35
2126133	✦	SBU8J	SBU	600 V_RRM, 8A	1.49	1.25	1.09
299874	✦	GBPC1206	GBPC (screw)	600 V_RRM, 12A	1.95	1.75	1.49
299866	✦	GBPC1206W	GBPC-W (wire)	600 V_RRM, 12A	.99	.79	.69
2132242	✦	GBPC1208W	GBPC-W (wire)	800 V_RRM, 12A	.99	.89	.69
179477	✦	GBPC25-01	GBPC	100 V_RRM, 25A	2.25	1.95	1.75
179485	✦	GBPC25-02	GBPC	200 V_RRM, 25A	2.39	2.19	1.95
178280	✦	MB254	MB35	400 V_RRM, 25A	2.75	2.49	2.25

*10 pcs. in Diode/Rectifier cabinet kit, above left

※ BNS = Bourns Inc. | DDI = Diode Inc. | FSC = Fairchild Semi | KST = KEST | ON = ON Semi | SGS = SGS Thomson | ST = ST Micro | TAT = Taitron | TEC = Teccor Elec. | VSH = Vishay | ✦ Major Brands

★For additional products, availability and specifications visit *Jameco.com* and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com   17

Semiconductors

Bridge Rectifiers (Continued)

★ Web Code: MBD

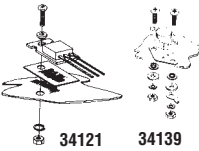| Part No.	⊛Mfr.	Product No.	Pkg.	Rating	1	10	100
178431	✦	MB358	MB35	800 V$_{RRM}$, 35A	$2.95	$2.75	$2.49
25574	✦	MDA990-3	179-01	200 PIV, 30A	3.49	3.25	2.95
25591	✦	MDA990-6	179-01	600 PIV, 30A	3.95	3.75	3.49
178503	TAT	TB3510	TB35	1000 PIV, 35A	3.49	3.25	2.95

Heat Sink Mounting Kits

★ Web Code: JAB

- TO-3 and TO-220 heat sink insulator assemblies

34121/34139: 10 kits per pack ⁕ Order in multiples of 10

Part No.	Type	Description	1	10	100
34121	TO-220	5 pcs per kit	$3.95	$3.59	$3.25
34139	TO-3	12 pcs per kit	3.95	3.59	3.25
2145060	TO-220	Glass-filled insulator	⁕	.15	.12

34121   **34139**

Silicon Controlled Rectifiers (SCRs)

★ Web Code: BAB

⁕ Order in multiples of 10

Part No.	⊛Mfr.	Product No.	Pkg.	Rating	1	10	100
14859	✦	C38M	TO-65	600 PRV, 35A (2N3899)	$6.95	$6.25	$5.49
14736	✦	C106B1*	TO-202	200 PRV, 4A (2N6239)†	.69	.59	.49
14752	✦	C122B	TO-220	200 PRV, 8A	1.19	1.09	.95
14761	✦	C122M	TO-220	600 PRV, 8A	1.35	1.25	1.05
160119	✦	T106D1	TO-202AB	400 PRV, 4A	.59	.49	.45
119802	✦	2N5060	TO-92	25 PRV, 0.8A	.29	.25	.19
211422	✦	2N5061	TO-92	60 PRV, 0.8A	⁕	.19	.15
160135	TEC	S6025L	TO-220AB	600 V$_{DRM}$, 25A	1.75	1.59	1.45
806063	ON	2N6027G℞	TO-92	40 V, 0.15A	.29	.19	.17
140417	✦	2N6507	TO-220AB	400 PRV, 25A	1.35	1.09	.89
885654	ON	2N6509℞	TO-220AB	800 V$_{DRM}$, 25A	1.29	1.15	.95

†Isolated   *10 pcs. in Diode/Rectifier cabinet kit, pg 17

JAMECO ValuePro AAVID THERMALLOY Heat Sinks

★ Web Code: JAB

- Material: black anodized aluminum
- P/N 42622 can be mounted vertically with solderable mounting tabs

Part No.	⊛Mfr.	Product No.	Fig.	Type	Holes	Size (L" x W" x H")	1	10	100
2150942	AVD	9000000958	1	CPU	0	1.78 x 1.19 x 0.65	$1.39	$1.29	$1.15
2077335	AVD	501200B00	2	DIP-14/16	0	0.73 x 0.25 x 0.19	.49	.45	.39
1115900	AVD	580200B00000G℞	3	DIP-14/16	0	0.84 x 0.60 x 0.41	.79	.69	.59
2150934	JVP	205-00036-001	2	DIP-14/16	0	1.18 x 0.64 x 0.65	.79	.69	.49
2155031	AVD	THM13103	4	TO-3	2	1.60 x 1.28 x 0.50	.79	.69	.59
151547	JVP	635-125B2℞	5	TO-3	4	1.83 x 1.40 x 1.25	.35	.29	.25
189835	AVD	501303B00000G℞	5	TO-3	4	1.90 x 1.40 x 0.50	.89	.79	.69
16513	JVP	DUDE4℞	6	TO-3	4	4.75 x 1.50 x 1.25	3.75	3.25	2.75
2145086	AVD	322605B00000G	7	TO-5	1	0.75 x 0.75 x 0.236	.99	.89	.75
326757	JVP	529801B02500℞	8	TO-218	3	1.64 x 1.00 x 1.50	1.49	1.35	1.15
326693	JVP	531002B05200℞	8	TO-220	2	1.38 x 0.50 x 1.00	.99	.89	.79
326713	JVP	531102B02500	8	TO-220	3	1.38 x 0.50 x 1.50	.99	.89	.79
2155022	JVP	BK-T220-0082℞	9	TO-220	1	1.75 x 0.70 x 0.37	.35	.29	.25
326765	JVP	531302B02500℞	8	TO-220/202	3	2.50 x 1.38 x 0.50	1.19	1.05	.89
696626	AVD	530002B02500℞	8	TO-220	1	2.52 x 1.65 x 1.00	2.25	1.85	1.49
696714	AVD	577002B00000G℞	10	TO-220	1	0.52 x 0.25 x 0.75	.29	.25	.22
158051	AVD	577102B00000G℞	10	TO-220	1	0.52 x 0.36 x 0.75	.29	.25	.22
1115643	AVD	577202B00000G℞	10	TO-220	1	0.52 x 0.50 x 0.75	.35	.29	.25
326596	JVP	507302B00000	10	TO-220	1	0.75 x 0.75 x 0.38	.29	.25	.17
70658	JVP	THM6073℞	10	TO-220	1	0.75 x 0.75 x 0.38	.35	.29	.19
129242	JVP	THM6106	10	TO-220	1	1.18 x 1.00 x 0.50	.65	.55	.45
70915	JVP	THM6106℞	10	TO-220	2	1.18 x 1.00 x 0.50	.69	.59	.49
696722	AVD	581002B02500G℞	11	TO-220	1	0.64 x 0.64 x 1.00	1.29	1.19	1.09
1115133	AVD	574402B03200G℞	12	TO-220	1	0.75 x 0.87 x 0.40	.59	.49	.45
42622	AVD	563002B00000G℞	13	TO-220	1	1.18 x 1.00 x 0.50	.59	.49	.45
2155348	AVD	THM6038℞	14	TO-220	0	1.18 x 1.00 x 0.50	.49	.39	.35
2159621	AVD	578622B03200G	15	TO-220 (Dual)	2	1.48 x 0.50 x 1.00	.99	.89	.79
2178689	AVD	THM6237	16	TO-220	Clip	0.38 x 0.89 x 0.70	.59	.49	.35

Fig. 1 (2150942)   Fig. 2 (2077335)   Fig. 3 (1115900)

Fig. 4 (2155031)   Fig. 5 (189835)   Fig. 6 (16513)

Fig. 7 (2145086)   Fig. 8 (326757)   Fig. 9 (2155022)

Fig. 10 (70658)   Fig. 11 (696722)   Fig. 12 (1115133)

Fig. 13 (42622)   Fig. 14 (2155348)

Fig. 15 (2159621)   Fig. 16 (2178689)
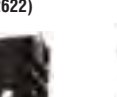
GC NTE AAVID THERMALLOY Heat Sink Compounds

★ Web Code: YBA

Part No.	Manufacturer	Description	Vol. (oz.)	1	10
615355	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	16	$39.95	$35.95
236823	ValuePro℞	Heat sink compound, silicon based grease	0.35	4.95	4.49
167249	Aavid Thermalloy℞	Heat sink compound, silicon based grease	2	8.95	7.95
169252	Techspray℞	Heat sink compound, silicon free	4	29.95	26.95
259151	NTE	Heat sink compound, white gel, thermal grease (5 pack)	0.35	2.49	2.25
615304	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	16	29.95	26.95
615312	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	0.23	2.95	2.65
615321	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	1	7.95	7.25

236823   167249

169252   615321

⊛ **AVD** = Aavid Thermalloy | **JVP** = Jameco ValuePro | **ON** = On Semi | **TAT** = Taitron | **TEC** = Teccor | ✦ **Major Brands**

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Optos

Optoisolators

✳ Order in multiples of 10

| Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
40985	✦	4N25	DIP-6	NPN phototransistor output	$.25	$.22	$.19
41005	✦	4N26	DIP-6	NPN phototransistor output	.35	.29	.25
41013	✦	4N28	DIP-6	NPN phototransistor output	.35	.29	.22
41021	✦	4N32	DIP-6	NPN photodarlington output	.35	.29	.22
41030	✦	4N33	DIP-6	NPN photodarlington output	.25	.22	.19
41056	✦	4N35	DIP-6	NPN phototransistor output	.29	.25	.22
1872628	OPT	OPB606A℞	DIP-4	NPN phototransistor	1.49	1.39	1.25
1628828	IFT	ILQ74℞	DIP-16	Quad-channel phototransistor	1.95	1.75	1.59
320653	✦	PS2501-1	DIP-4	Single NPN phototransistor output	.35	.29	.25
320661	✦	PS2501-2	DIP-8	Dual NPN phototransistor output	1.19	1.09	.95
160338	✦	PS2501-4	DIP-16	Quad NPN phototransistor output	1.65	1.39	1.19
320688	✦	PS2502-1	DIP-4	Darlington photocoupler	.65	.55	.49
320696	✦	PS2502-2	DIP-8	Dual NPN photodarlington output	1.95	1.75	1.49
160362	✦	PS2502-4	DIP-16	Quad NPN photodarlington output	2.49	2.25	1.95
320717	✦	PS2505-2	DIP-8	High isolation volt. photocoupler	1.95	1.75	1.49
320725	✦	PS2505-4	DIP-16	Quad NPN phototransistor output	1.95	1.75	1.49
320805	✦	PS2532-4	DIP-16	Quad hi collector to emitter voltage	2.75	2.49	2.25
26278	✦	MOC3010	DIP-6	Bilateral sw. non-zero crossing triac	.49	.39	.35
95020	✦	MOC3011	DIP-6	Random phase, triac driver output	.49	.45	.35
277780	✦	MOC3020	DIP-6	Bilateral sw. non-zero crossing triac	.49	.39	.35
95038	✦	MOC3021	DIP-6	Random phase, triac driver output	.59	.39	.29
277819	✦	MOC3023	DIP-6	Random phase, triac driver output	.49	.45	.39
26294	JVP	MOC3031	DIP-6	Zero-crossing, triac driver output	.79	.69	.59
113953	✦	MOC3032	DIP-6	Zero-crossing, triac driver output	.75	.65	.55
277835	✦	MOC3041	DIP-6	Zero-crossing, triac driver output	.59	.49	.45
133874	✦	MOC3063	DIP-6	Zero-crossing, triac driver output	.69	.59	.49
2006414	LTO	LTR-5986D	SIP-3	NPN phototransistor/detector	✳	.19	.15

★ **Subminiature LEDs — Enter Web Code: SML**

T1¾ Cliplite® LED Lens Mounts

Standard CLF280 and low profile CLB300 provide 180° viewing angle. Colors: red and clear.

CLF280   .28" DIA   .25" DIA   .22"   .43"

CLB300   .28" DIA   .25" DIA   .22"   .43"
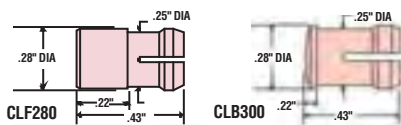
Part No.	Mfr. Part No.	Size	Color	1	10	100	1000
14277	CLF280CTP℞	T1 ¾	Clear	$.29	$.25	$.21	$.19
124927	CLB300CTP℞	T1 ¾	Clear	.29	.25	.21	.19

Panel Lens for PCB Mounted T1¾ LED

T1-3/4 size low-profile panel lenses provide 180° viewing angle.

.30" (7.62mm)   .21" (5.33mm)   .07" (1.78mm)   Length
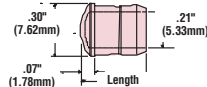
Part No.	Mfr. Part No.	Size	Color	Length	1	10	100	1000
143132	CMC321CTP℞	T1 ¾	Clear	.33"	$.29	$.25	$.21	$.19

2-150mA T1 & T1¾ LED Tester

Plug any leaded LED into any 2 rows of sockets. 13.1" spaced positions test T1/T1 ¾ LEDs from 2 to 30mA; 13.2" spaced positions test larger footprint (high flux) LEDs from 20 to 150mA. Uses 9V battery (P/N 198731 – sold separately)

Part No.	Description	Size (L x W x H)	1	5	25
355805	LED tester	3.1" x 2.2" x 0.9"	$9.95	$8.95	$7.95

Optocouplers

✳ Order in multiples of 10

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
42471	✦	6N136	DIP-8	Hi-speed phototransistor output	$.75	$.65	$.55
113911	✦	6N137	DIP-8	Hi CMR, hi-speed logic gate output	.79	.69	.59
42489	✦	6N138	DIP-8	Hi-speed photodarlington output	.69	.59	.49
18825	✦	H11AA1	DIP-6	AC input/phototransistor	.59	.49	.45
320493	FSC	H11D1	DIP-6	Hi voltage phototransistor	.69	.49	.39
113988	✦	H11L1	DIP-6	µPROC compatible Schmitt trigger	.69	.49	.39
24918	✦	MCT6	DIP-8	High density NPN phototransistor	.59	.49	.45
672325	✦	MCT62	DIP-8	Dual channel NPN phototransistor	.59	.49	.39
2006385	LTO	LTV-814H	DIP-4	Phototransistor output, AC input	✳	.12	.09
878286	LTO	LTV-847℞	DIP-16	Quad ch. phototransistor output	.69	.59	.49
1583156	CLA	PD2401℞*	DIP-16	AC solid st. sw. w/ dual pwr SCR output	6.95	5.95	5.49

*4 pins

Slotted Optical Switches

2078282   2126301

Part No.	⊛Mfr.	Product No.	Pkg.	Description	1	10	100
114091	✦	H21A1℞	4-pin w/ tab	Single channel, 20mA (Ic)	$2.75	$2.49	$2.25
320901	✦	H21A3	4-pin w/ tab	Single channel, 20mA (Ic)	2.75	2.49	2.25
2078282	SIE	IRLA075	4-pin w/ tab	Single channel, 50mA (Ic)	.99	.89	.79
2126301	ISO	ISTS150	8-pin w/ tab	Dual channel, 20mA (Ic)	.89	.79	.59

Optical Tilt Switches

2126521   2126555

Part No.	Mfr. Part No.*	Pkg.	Description	1	10	100
2126521	RP-CUB-30-000-NB	4-pin	Optical tilt, 30°, 5mA (Ic)	$.59	$.49	$.39
2126555	RP-RUB-15-000-NB	4-pin	Optical tilt, 15°, 5mA (Ic)	.59	.49	.39
2126547	RP-RUB-30-000-NB	4-pin	Optical tilt, 30°, 5mA (Ic)	.59	.49	.39
2126539	RP-RUB-45-000-NB	4-pin	Optical tilt, 45°, 5mA (Ic)	.59	.49	.39

*CUB = horizontal mount PCB; RUB = vertical mount PCB

Conxrite Pre-Wired Solderless LED Interconnects

Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB.

417463

Part No.	Mfr. Part No.	LED Size	Termination (leads)	Length	1	10	100
143037	CNXCE2108℞	T1 ¾ (5mm)	2-pin connector	8"	$2.19	$2.09	$1.75
417463	CNXCE2112℞	T1 ¾ (5mm)	2-pin connector	12"	2.49	2.25	1.95

T1 & T1¾ LED Mounting Hardware

• Color: black

95513   23077   95521

Order in multiples of 10

Part No.	Mfr. P/N	Description	Mounting Hole Dia.	Panel Thickness	10	100	1000
95513	LA27B℞	T1 snap-in	.185"	Up to .070"	$.12	$.10	$.08
23077	PT18H013℞*	T1 ¾ ring/clip	.257"	Up to .125"	.15	.14	.12
95521	LA30B℞	Rect. snap in	.306" x .202"	Up to .092"	.06	.05	.04

*Manufacturer: Jameco ValuePro

★ **Standard Output LEDs — Enter Web Code: FAF**

* CLA = Clare | FSC = Fairchild | IFT = Infineon | ISO = Isocom | JVP = Jameco ValuePro | LTO = Lite On | OPT = Optek | SIE = Siemens | ✦ Major Brands

*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS   HOUSE BRANDS   SPECIAL BUY

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com   **19**

FAIRCHILD | SIEMENS | SunLED | JAMECO ValuePro | LITEON | UNi

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7 (T1¾ Leds)

Fig. 8

Fig. 9

Fig. 10
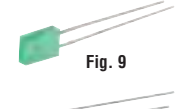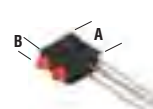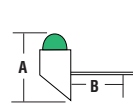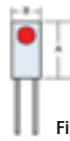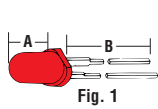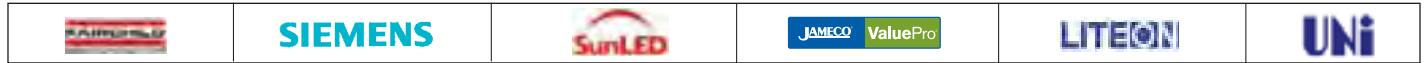
Standard-Output LEDs

★ Web Code: FAF

※ Order in multiples of 10

Part No.	Product No.	※Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	A"	B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	1	10	100	1000
94529	LH2040ℛ	JVP	1	Red	Red diffused (XC209RB)	T1	0.119/3	0.18	1.04	0.07	2.3	4.5	697	36	※	$.12	$.10	$.08
202471	MVL-301HR★★	UNI	1	Red	Red diffused	T1	0.119/3	0.14	1.12	0.10	2.0	9.0	640	40	※	.10	.08	.06
152785	LT0341R-41ℛ	JVP	1	Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1	15.5	635	56	※	.12	.10	.08
333851	UT6371-41-M1ℛ	JVP	1	Red	Red diffused	T1	0.119/3	0.17	0.98	0.10	1.8	65	660	60	※	.12	.10	.08
152751	LT0344R-41ℛ	JVP	1	Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1	60	635	36	※	.12	.10	.08
2197732	LSR2643-1ℛ	JVP	1	Red	Water clear	T1	0.119/3	0.13	1.04	0.10	2.1	120	660	40	※	.12	.10	.08
114673	LH2043ℛ*	JVP	1	Red	Water clear (BR209)	T1	0.119/3	0.14	0.98	0.07	2.3	8	697	30	※	.12	.10	.08
206498	LHR2041ℛ	JVP	1	Red	Red transparent	T1	0.119/3	0.17	0.69	0.08	2.4	350	660	30	※	.12	.10	.08
2181036	BLD-2		4	Red	Red diffused (snap together)	T1	0.119/3	0.34	0.20	0.20	2.0	23	640	40	※	.099	.075	.059
697590	LTL-4221Nℛ	LTO	1	Hi-eff Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2.0	8.7	635	60	※	.069	.055	.045
2006713	LTL-161CE	LTO	1	Hi-eff Red	Red diffused, flanged	T1	0.118/3	0.21	1.07	0.10	2.0	12.6	621	60	※	.10	.08	.06
2081932	BVL-300E5Dℛ	JVP	2	OrangeRed	Red diffused	T1	0.119/3	0.17	1.00	0.10	2.1	18	632	45	※	.08	.06	.05
94553	LHG2062ℛ	JVP	1	Red/Green	White diffused bi-color/bi-state[1]	T1	0.119/3	0.18	1.06	0.08	2.6	3/1.2	697/565	36	※	.19	.15	.12
156946	LT0362-25-D61ℛ	JVP	3	Red/Green	White diffused bi-color/tri-state	T1	0.119/3	0.16	0.87	0.08	2.1	2.7/13.3	700/567	50	.39	.35	.29	.25
697688	LTL-4251Nℛ	LTO	2	Yellow	Yellow diffused	T1	0.118/3	0.175	1.00	0.10	2.1	5.6	585	60	※	.15	.12	.10
2155241	BVL-360YIDℛ	JVP	2	Yellow	Yellow diffused	T1	0.119/3	0.13	1.00	0.10	2.2	14	590	55	※	.08	.06	.04
34657	LY2040ℛ*	JVP	1	Yellow	Yellow diffused (XC209Y)	T1	0.119/3	0.16	0.68	0.08	1.2	20	585	36	※	.12	.10	.08
2133608	W934EW/YD	JVP	4	Yellow	Yellow diffused (right angle)	T1	0.118/3	0.29	0.18		2.1	15	590	60	※	.06	.04	.02
2125464	VX4SUGY91M	SLD	5	Yellow/Green	White diff. bi-color, quad-level	T1	0.119/3	0.47	0.20		2.1/2.2	24/6	590/565	130	※	.10	.08	.06
2006705	LTL-1CHYE*	LTO	1	Yellow	Water clear, flanged	T1	0.119/3	0.21	1.07		2.1	40	585	45	※	.07	.05	.035
2082003	XLUY40W	JVP	2	Yellow	Water clear	T1	0.119/3	0.197	1.063	0.10	1.95	19	590	50	※	.05	.04	.02
206480	LVY2041ℛ	JVP	1	Yellow	Yellow transparent	T1	0.119/3	0.17	0.69	0.08	2.3	450	595	30	※	.12	.10	.08
253631	HLMP-1503	FSC	1	Green	Green diffused	T1	0.119/3	0.19	1.00		2.1	5.0	565	60	※	.12	.10	.08
333201	LG12340ℛ	JVP	1	Green	Green diffused	T1	0.119/3	0.13	0.98	0.10	1.7	9.6	565	112	※	.12	.10	.08
2132306	L354GD-H302	AMR	4	Green	Green diffused	T1	0.114/3	0.29	0.18		2.1	12.5	565	60	※	.07	.05	.03
697629	LTL-4231ℛ	LTO	1	Green	Green diffused	T1	0.119/3	0.20	1.00		2.1	12.6	569	40	※	.07	.055	.045
211086	LTL-4231N-022ℛ	LTO	2	Green	Green diffused	T1	0.119/3	0.13	1.10		2.1	12.6	565	60	※	.08	.06	.05
697637	LTL-4231Nℛ	LTO	2	Green	Green diffused	T1	0.119/3	0.175	1.00		2.1	12.6	565	60	※	.079	.059	.049
34606	LSG2040ℛ*	JVP	1	Green	Green diffused (XC209G)	T1	0.119/3	0.13	1.05	0.08	2.2	15	560	50	※	.15	.12	.10
2155233	BVL-360GIDℛ	JVP	2	Green	Green diffused	T1	0.119/3	0.13	1.00		2.3	18	573	55	※	.10	.08	.06
156930	LT0321-41-HEℛ	JVP	1	Green	Green diffused	T1	0.118/3	0.16	0.88		2.1	32	567	56	※	.15	.12	.10
175679	LVG2041ℛ	JVP	1	Green	Green transparent	T1	0.119/3	0.17	0.69	0.08	2.2	129	565	30	※	.15	.12	.10
114681	LVG2043ℛ*	JVP	1	Green	Water clear (BG209)	T1	0.119/3	0.14	0.98	0.07	2.2	129	565	30	※	.12	.10	.08
137411	LVB2040ℛ	JVP	1	Blue	Blue diffused	T1	0.119/3	0.21	0.98		3.5	10	430	50	.89	.79	.69	.65
333383	UT63B1-41-URC3ℛ	JVP	2	Blue	Blue diffused	T1	0.119/3	0.17	0.98		3.8	50	466	54	.59	.49	.39	.29
253817	HLMP-4700	FSC	1	Red	Red diffused	T1 ¾	0.197/5	0.35	1.10	0.08	1.8	2	635	50	※	.08	.06	.04
34690	LFH3360ℛ*	JVP	1	Red	Red diff. blinking (XC5410)[2]	T1 ¾	0.197/5	0.30	0.94	0.07	3-12	2.8	697	—	.39	.35	.29	.25
94511	LH3330ℛ	JVP	1	Red	Red diffused (XC556RB)	T1 ¾	0.197/5	0.31	0.81	0.08	2.3	3	697	36	※	.15	.12	.10
242844	LT1811-81ℛ	JVP	1	Red	Red diffused	T1 ¾	0.197/5	0.30	0.88		2.1	4.1	700	44	※	.12	.10	.08
2125309	LS5469FH	SIE	1	Red	Red diffused	T1 ¾	0.20/5.1	0.31	1.10		1.8	5	635	50	※	.07	.05	.03
253753	HLMP-3301	FSC	1	Red	Red diffused	T1 ¾	0.197/5	0.36	1.00		2.4	5.4	635	60	※	.19	.17	.12
104248	LA93B/H-1ℛ*	JVP	6	Red	Red diffused (XC410R)	T1 ¾	0.197/5	0.35	0.89		2.3	6.5	697	46	.25	.21	.19	.15
333973	UT1871-81-M1ℛ	JVP	1	Red	Red diffused	T1 ¾	0.197/5	0.34	0.98		1.7	75	660	25	※	.12	.10	.08
333489	LUR3330/HO/Aℛ	JVP	1	Red	Red diffused	T1 ¾	0.197/5	0.34	0.98		1.5	380	660	40	※	.19	.15	.12
302033	LT1814-81	JVP	1	Red	Red clear	T1 ¾	0.197/5	0.34	0.88		2.1	10	650	10	※	.10	.08	.06
2155399	LTL-4268-H4ℛ	LTO	2	Red	Water clear	T1 ¾	0.197/5	0.34	1.00	0.10	1.8	270	638	16	※	.15	.12	.10

*10 pcs./**100 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 31　　[1] Reverse polarity to change color　　[2] Volt. shown is operating volt. range; no current limiting resistor required

※ AMR = American Opto　|　FSC = Fairchild Semi　|　JVP = Jameco ValuePro　|　LTO = Lite On　|　SIE = Siemens　|　SLD = Sunled Corp.　|　UNI = Unity Opto

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Standard-Output LEDs (Continued)

See pages 19 & 31 for LED Mounting Hardware

★ Web Code: FAF ✳ Order in multiples of 10

Optos

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength n m	Viewing Angle°	1	10	100	1000
697602	LTL-4223ℛ	LTO	1	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.0	19	635	36	✳	$.07	$.055	$.045
697522	LTL-307E-002ℛ	LTO	2	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.34	0.90	0.10	2.0	19	635	50	✳	.07	.055	.049
2006692	LTL-10224WHCR	LTO	8	Hi-eff Red	Red diffused w/ plastic case	T1 ¾	0.197/5	0.44	0.49	0.10	2.0	60	635	30	✳	.06	.04	.025
2006730	LTL-307E-3★★	LTO	1	Hi-eff Red	Red diffused, flanged	T1 ¾	0.197/5	0.34	0.87	0.10	2.0	12.6	623	40	✳	.09	.07	.05
790081	LTL-10223Wℛ	LTO	2	Hi-eff Red	Red diffused, flangeless	T1 ¾	0.187/4.75	0.283	1.00	0.10	2.0	60	623	60	✳	.12	.09	.07
697611	LTL-4224ℛ	LTO	1	Hi-eff Red	Red transparent	T1 ¾	0.197/5	0.34	1.00	0.10	2.0	90	635	16	✳	.07	.055	.045
697573	LTL-4213ℛ	LTO	1	Bright Red	Red diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	3.7	657	36	✳	.08	.059	.05
790225	LTL-307Pℛ	LTO	2	Bright Red	Red diffused	T1 ¾	0.197/5	0.34	0.90	0.10	2.1	5.6	657	50	✳	.10	.08	.06
1109260	TLUV5300ℛ	VSH	3	Red/Green	White diffused bi-color/bi-state[1]	T1 ¾	0.197/5	0.30	1.00	0.10	3.0	2.5	630/565	60	✳	.15	.12	.09
334182	LHG3362ℛ	JVP	1	Red/Green	White diff. bi-color/solid state[1]	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	1.2/4.5	697/565	30	✳	.19	.17	.15
34673	LHG3392ℛ*	JVP	3	Red/Green	White diff. bi-color/tri-state	T1 ¾	0.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	✳	.19	.15	.12
1554831	HLMP-4000ℛ	AVT	3	Hi-eff Red/Grn	White diffused, bi-color	T1 ¾	0.2/5.08	0.36	1.00	0.10	1.9/2.2	2.1/4.2	635/568	65	✳	.12	.10	.08
697557	LTL-30EFJℛ	LTO	3	Bright Red/Grn	White diffused, bi-color	T1 ¾	0.197/5	0.41	0.945	0.10	2.1/2.1	5.6/19	697/565	30	.29	.25	.19	.17
34711	LEG3362ℛ*	JVP	1	Orange/Grn	White diffused bi-color/bi-state[1]	T1 ¾	0.197/5	0.30	1.01	0.09	1.7	4.5	635/565	30	✳	.19	.15	.12
152857	LT1841R-81-Rℛ	JVP	1	Orange Red	Red diffused	T1 ¾	0.197/5	0.34	0.89	0.10	2.1	23.1	630	45	✳	.08	.06	.04
210825	BVU-5M1QN1	BVO	2	Orange Red	Red diffused	T1 ¾	0.197/5	0.30	1.00	0.10	2.1	465	615	30	✳	.08	.07	.05
107393	LE3330ℛ	JVP	1	Orange Red	Orange diffused (XC556A)	T1 ¾	0.197/5	0.30	1.02	0.08	2.3	24	635	36	✳	.10	.08	.06
2155268	BVL-501EIDℛ	JVP	2	Orange Red	Orange diffused	T1 ¾	0.197/5	0.30	1.00	0.10	2.1	50	622	25	✳	.10	.08	.06
2125288	LY5469FH	SIE	1	Yellow	Yellow diffused	T1 ¾	0.20/5.1	0.31	1.10	0.10	2.0	5	586	50	✳	.08	.06	.05
34825	LY3330ℛ	JVP	1	Yellow	Yellow diffused (XC556Y)	T1 ¾	0.197/5	0.30	0.82	0.07	2.3	12	585	36	✳	.15	.12	.10
1995927	LTL-10253ℛ	LTO	1	Yellow	Yellow diffused, flanged	T1 ¾	0.187/4.75	0.283	1.00	0.10	2.1	12.6	585	60	✳	.05	.04	.03
697696	LTL-4253ℛ	LTO	1	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	19	585	36	✳	.08	.06	.05
104264	LA93B/Y-1ℛ*	JVP	6	Yellow	Yellow diffused (XC410Y)	T1 ¾	0.197/5	0.35	0.89	0.08	2.3	25	585	46	.29	.25	.19	.15
697549	LTL-307Yℛ	LTO	2	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	0.90	0.10	2.1	29	585	50	✳	.07	.055	.045
334108	UT1831-81-Sℛ	JVP	1	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	0.98	0.10	2.1	90	590	10	✳	.12	.10	.08
333622	LHY3330/HOℛ	JVP	1	Yellow	Yellow diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	350	595	40	✳	.15	.12	.10
253833	HLMP-4740	FSC	1	Green	Green diffused	T1 ¾	0.197/5	0.36	1.00	0.10	2.2	2.3	565	50	✳	.15	.12	.10
2125296	LG5469FH	SIE	1	Green	Green diffused	T1 ¾	0.20/5.1	0.31	1.10	0.10	1.9	5	565	50	✳	.10	.08	.06
693901	MCDL-5013GDℛ	MCD	1	Green	Green diffused	T1 ¾	0.197/5	0.34	1.04	0.10	2.1	12.5	565	60	✳	.10	.08	.06
697653	LTL-4233ℛ	LTO	1	Green	Green diffused	T1 ¾	0.197/5	0.40	1.00	0.10	2.1	19	565	36	✳	.07	.055	.045
697531	LTL-307Gℛ	LTO	1	Green	Green diffused	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	19	565	50	✳	.12	.10	.08
334086	LG13740ℛ	JVP	1	Green	Green diffused	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	20	565	68	✳	.10	.08	.06
34761	LG3330ℛ*	JVP	1	Green	Green diffused (XC556G)	T1 ¾	0.197/5	0.31	0.79	0.09	2.3	30	565	36	✳	.15	.12	.10
104256	LA93B/G-1ℛ*	JVP	6	Green	Green diffused (XC410G)	T1 ¾	0.197/5	0.35	0.89	0.08	2.3	30	565	46	✳	.17	.14	.10
152822	LT1821-81-HEℛ	JVP	1	Green	Green diffused	T1 ¾	0.197/5	0.34	0.89	0.10	2.1	50	567	41	✳	.19	.15	.12
2126571	BR-B2134-12V	BRT	1	Green	Green diffused	T1 ¾	0.197/5	0.30	1.04	0.10	12	80	568	35	✳	.10	.08	.06
697661	LTL4234ℛ	LTO	1	Green	Green transparent	T1 ¾	0.197/5	0.34	1.00	0.10	2.1	60	565	16	✳	.08	.06	.04
333227	LG13530ℛ	JVP	2	Hi-eff green	Green diffused (flangeless)	T1 ¾	0.197/5	0.34	0.98	0.10	1.7	25	565	36	✳	.10	.08	.06
2133641	LT641G1HR-H206	JVP	7	Green/Red	Green/Red diffused (dual)	T1 ¾	0.197/5	0.49	0.24	0.10	2.1	28/40	567/635	38	.39	.35	.29	.19
2159672	552-0223-802	DIA	7	Green/Yellow	Green/Yellow diffused (dual)	T1 ¾	0.197/5	0.49	0.24	0.10	2.1	10/6.3	563/585	65/50	.35	.29	.25	.19
138691	LVB3330ℛ	JVP	1	Blue	Blue diffused	T1 ¾	0.197/5	0.34	0.98	0.10	4.8	10	430	36	.99	.89	.75	.69
2006764	LTL-2R3CBD3ℛ	LTO	1	Blue	Blue diffused, flanged	T1 ¾	0.197/5	0.34	0.87	0.10	3.5	50	468	45	.69	.65	.55	.45
2133421	SSL-LX5093SWC/A	LUM	1	White	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.6	200	—	16	.89	.79	.69	.59
138683	LHR3630ℛ	JVP	2	Red	Red diffused	10mm	0.394/10	0.40	1.04	0.10	2.0	200	660	32	.39	.35	.29	.19
2152112	MCDL-833SEDℛ	JVP	2	Hi-eff red	Red diffused	10mm	0.394/10	0.43	1.00	0.1	2.0	35	635	60	.59	.55	.49	.39
2152139	MCDL-833ED-E-610ℛ	JVP	2	Orange	Orange diffused	10mm	0.394/10	0.43	1.00	0.1	2.0	25	610	60	.45	.39	.35	.29
2152121	MCDL-833SYDℛ	JVP	2	Yellow	Yellow diffused	10mm	0.394/10	0.43	1.00	0.1	2.0	35	590	60	.59	.55	.49	.39
98984	LVG3630ℛ	JVP	1	Green	Green diffused	10mm	0.394/10	0.40	1.07	0.08	2.3	40	565	32	.39	.35	.29	.25
2152104	MCDL-833SGDℛ	JVP	2	Green	Green diffused	10mm	0.394/10	0.43	1.00	0.1	2.2	50	570	60	.59	.55	.49	.39
2152147	MCDL-833SBDℛ	JVP	2	Blue	Blue diffused	10mm	0.394/10	0.43	1.00	0.1	4.2	20	430	60	1.49	1.35	1.19	.99
104889	LEG5292	JVP	9	Orange/Grn	White diff. bi-color rectangular	2x5mm	—	0.27	1.02	0.08	2.3	6/6	635/565	116	.19	.17	.14	.10
790356	LTL-433Gℛ	LTO	9	Green	Green diffused, rectangular	2x5mm	—	0.30	1.00	0.10	2.1	3.7	565	140	✳	.12	.10	.08
2133464	SSL-3353SYD	LUM	10	Yellow	Yellow diffused, square	3x3mm	0.119/3	0.18	1.00	0.10	2.5	100	590	80	✳	.06	.05	.035

*10 pcs./**100 pcs. in LEDs & LED mounting hardware cabinet kit, pg 31   [1] Reverse polarity to change color

✳ **AVT = Avago | BRT = Bright LED | BVO = BV Optotech | DIA = Dialight | FSC = Fairchild Semi | JVP = ValuePro | LTO = Lite On | LUM = Lumex | MCD = MCD Elec. | SIE = Siemens | VSH = Vishay**

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*
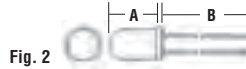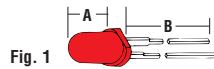
3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Medium-Output LEDs

 Fig. 1   Fig. 2   Fig. 3

★ **Web Code: MBW**

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength n m	Viewing Angle°	Pricing 1	10	100	1000
156954	UT0373-41ℛ	JVP	1	Red Super Bright	Water clear	T1	0.119/3	0.16	0.94	0.10	1.8	100	660	36	✳	$.19	$.15	$.12
333340	LHE2643ℛ	JVP	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	700	620	40	✳	.17	.12	.10
2133632	LT033N-41-UR91	JVP	1	Yellow	Water clear	T1	0.119/3	0.20	0.89	0.10	1.9	700	589	35	✳	.06	.04	.03
333307	LUY2643-1ℛ	JVP	1	Yellow	Water clear	T1	0.197/5	0.13	0.98	0.10	1.7	900	595	40	.35	.29	.25	.19
98968	QLMP-LB98	AVT	2	Blue	Blue clear (oval)	T1	0.119/3	0.28	0.94	0.10	3.2	550	470	70	.49	.39	.35	.25
334749	UT63B3-41-UR33ℛ	JVP	1	Blue	Water clear	T1	0.119/3	0.17	0.94	0.10	3.2	900	470	45	.79	.69	.59	.49
2115688	NSPB346BSTℛ	NCH	2	Blue	Blue diffused (oval)	T1	0.119/3	0.28	0.94	0.10	3.6	720	470	30	.39	.35	.29	.19
334764	LWK2043ℛ	JVP	1	White	Water clear	T1	0.119/3	0.17	0.98	0.10	3.5	900	—	30	.99	.89	.75	.65
333497	LSR13233ℛ	JVP	1	Red	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.5	720	660	18	✳	.19	.15	.12
206519	LHR3331ℛ	JVP	1	Red	Red transparent	T1 ¾	0.197/5	0.30	0.98	0.10	1.5	900	550	20	✳	.19	.15	.12
152864	BVU501SR4	JVP	1	Red Super Bright	Water clear	T1 ¾	0.197/5	0.34	0.89	0.10	1.9	600	660	20	✳	.12	.08	.06
351089	MCDL-517URD-Fℛ	JVP	1	Super Red	Red diffused blinking	T1 ¾	0.197/5	0.30	1.00	0.10	1.8	500	660	120	.59	.49	.39	.35
152792	LT1833-81- M1ℛ	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.30	0.95	0.10	2.1	1040	593	19	.25	.22	.17	.14
206501	LVY3331ℛ	JVP	1	Yellow	Yellow transparent	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	1500	595	20	✳	.17	.12	.10
153154	LVG3333ℛ	JVP	1	Green	Water clear (HLMP-8509)	T1 ¾	0.197/5	0.30	1.02	0.10	2.1	500	565	20	✳	.12	.10	.08
156962	LT1823-81-HEℛ	JVP	2	Green	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	2.1	500	567	19	✳	.19	.15	.12
333551	LVG13233ℛ	JVP	1	Green	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	600	565	18	✳	.19	.15	.12
2135267	TLHB-5100ℛ	VSH	1	Blue	Water clear	T1 ¾	0.197/5	0.30	0.90	0.10	3.9	250	466	9	.59	.49	.39	.29
134333	383UBC/H2ℛ	JVP	1	Blue	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.8	630	428	30	.89	.79	.69	.59
334465	LDBK3331/H0ℛ	JVP	1	Blue	Blue transparent	T1 ¾	0.197/5	0.30	0.98	0.10	3.5	900	470	26	.89	.79	.65	.59
2133659	LT12W3-4D-UDE3-WD	JVP	3	White	Water clear	T1 ¾	0.181/4.6	0.30	1.00	0.10	3.2	850	—	100	.89	.79	.69	.59
2129625	LDUV3333ℛ	JVP	1	Purple	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.0	450	400	20	1.25	1.15	.99	.85
2152155	MCDL-833URD-U12ℛ	JVP	2	Super Red	Red diffused	10mm	0.394/10	0.43	1.00	0.10	1.8	600	660	60	.69	.65	.59	.49

High-Output LEDs

- Typical DC forward current 20mA

 Fig. 1   Fig. 2   Fig. 3 (Piranha)   Fig. 4
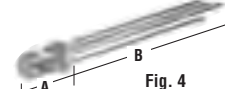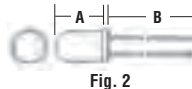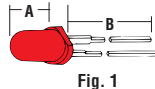
★ **Web Code: RBJ**

✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength n m	Viewing Angle°	Pricing 1	10	100	1000
98950	QLMP-LM98	AVT	2	Green	Green clear (oval)	T1	0.119/3	0.28	0.94	0.10	3.2	2400	525	70	✳	$.19	$.15	$.12
2168421	3MMLED-BLUE	JVP	1	Blue	Blue diffused	T1	0.119/3	0.15	0.69	0.10	3.4	5000	465	120	✳	.19	.15	.12
2169846	3MMLED-GREEN	JVP	1	Green	Green diffused	T1	0.119/3	0.15	0.69	0.10	3.4	5000	520	120	✳	.19	.15	.12
2174881	3MMLED-WHITE	JVP	1	White	White diffused	T1	0.119/3	0.15	0.69	0.10	3.4	8000	—	120	✳	.19	.15	.12
217525	MCDPW-3004Cℛ	JVP	2	White	Water clear	T1	0.119/3	0.14	1.00	0.10	3.8	3000	—	30	1.39	1.25	1.09	.99
2138855	LUW30243ℛ	WEN	2	White	Water clear	T1	0.119/3	0.17	1.00	0.10	3.2	4000	—	25	1.19	1.09	.95	.79
2138863	LUE30243ℛ	WEN	2	Super Red	Water clear	T1	0.119/3	0.17	1.00	0.10	2.0	3000	625	15	.39	.35	.29	.25
2205430	MCD-3014UEC-TLℛ	JVP	2	Red	Water clear	T1	0.119/3	0.17	1.00	0.10	2.1	3000	620	25	.45	.39	.35	.29
197641	BVT-529TT8E	JVP	2	Yellow	Yellow clear (oval)	T1 ½	0.178/4.5	0.29	0.96	0.08	2.3	3600	592	45	.45	.39	.29	.25
334423	UT9C13-86-UDC2ℛ	JVP	1	Red	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	1.9	2700	630	18	.25	.19	.17	.15
333526	LUR3833ℛ	JVP	1	Red	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.5	2700	660	12	.25	.21	.19	.16
2188449	LHRF3333S/S46-PF-B01ℛ	JVP	1	Red	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	2.1	5000	625	30	.39	.35	.29	.22
1584917	HLMP-EG08-Y2000ℛ	AVT	1	Red	Red untinted/non-diffused	T1 ¾	0.197/5	0.30	0.94	0.10	1.9	9300	635	6	.59	.49	.39	.35
333447	UT1873-81-UR-P22Rℛ	JVP	2	Super Red	Water clear	T1 ¾	0.197/5	0.30	0.89	0.10	1.9	1600	660	25	.29	.25	.22	.19
2095171	RL50-PR543	JVP	2	Ult. Bright Red	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	8000	635	20	.39	.29	.19	.15
2006799	LTL-2R3VYKNTℛ	LTO	1	Orange	Water clear, flanged	T1 ¾	0.197/5	0.30	0.87	0.10	2.0	1300	595	30	✳	.10	.08	.06
333657	LUE3333ℛ	JVP	2	Orange	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	3400	620	20	.39	.35	.25	.22
333673	LUE3833ℛ	JVP	2	Orange	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	5000	620	12	.39	.35	.25	.22
333569	LVY3333/Aℛ*	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	2500	590	20	✳	.17	.15	.12
333614	LUY3833Hℛ	JVP	1	Yellow	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	1.7	5000	590	12	.39	.35	.25	.22
2095189	RL50-PY543	JVP	2	Ultra Yellow	Water clear	T1 ¾	0.197/5	0.30	1.02	0.10	1.7	8000	595	20	.39	.29	.19	.15
2006772	LTL-2H3VYKNT1ℛ	LTO	1	Amber/Yellow	Water clear, flanged	T1 ¾	0.197/5	0.30	0.87	0.10	2.0	3400	595	15	✳	.12	.10	.07
2167251	MCDL-5013BGC-TLℛ	JVP	2	Green/Blue	Water clear	T1 ¾	0.197/5	0.30	0.96	0.10	3.2	11000	510	30	.99	.89	.79	.65
1586197	UT4J23-4D-UBC2-S11	JVP	1	Green	Water clear	T1 ¾	0.197/5	0.28	0.94	0.10	3.0	2500	500	28	.45	.39	.35	.29
334473	LDGL3333/H0ℛ	JVP	1	Green	Water clear	T1 ¾	0.197/5	0.30	0.98	0.10	3.5	3400	505	22	.75	.65	.55	.45
2077079	HLMP-CM39-UVCDD	AGT	2	Green	Untinted/non-diffused	T1 ¾	0.197/5	0.30	0.90	0.10	3.2	5000	535	30	.49	.45	.39	.35
2188668	SSL-LX5093XUSBCℛ	LUM	1	Super Blue	Water clear	T1 ¾	0.197/5	0.34	1.04	0.10	3.5	2500	470	10	1.29	1.19	.99	.85
183222	MCDL-5013UBC-TLℛ	JVP	1	Blue	Water clear	T1 ¾	0.197/5	0.30	0.94	0.10	3.5	6000	470	18	1.39	1.25	1.09	.99
142894	BVU-5E1WK4-Bℛ	JVP	1	White	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.5	3700	—	15	1.49	1.35	1.19	1.05
334502	LWK3333ℛ	JVP	1	White	Water clear	T1 ¾	0.197/5	0.30	0.94	0.10	3.5	5000	—	16	.89	.79	.65	.59
320531	MCDL-5013UWCℛ	JVP	1	White	Water clear	T1 ¾	0.197/5	0.30	1.00	0.10	3.8	5000	—	15	.99	.89	.75	.65
2077061	EM-503QWC-R12	JVP	2	White	Water clear	T1 ¾	0.197/5	0.30	1.04	0.10	4.5	5000	—	25	.99	.89	.75	.65

*10 pcs. in LEDs & LED mounting hardware cabinet kit, pg 31

⁕ AGT = Agilent | AVT = Avago Technology | JVP = Jameco ValuePro | LTO = Lite-On | LUM = Lumex Optoelectronics | NCH = Nichia | VSH = Vishay | WEN = Wenrun Opto

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

High-Output LEDs (Continued)

NEW MARKED IN PINK

Figure images on previous page

★ **Web Code: RBJ**   ✻ Order in multiples of 10

Optos

Part No.	Product No.	✳Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
2115493	UT5HW3-4D-URC3-4861-R✳	JVP	1	White	Water clear	T1 ¾	0.197/5	0.30	0.95	0.10	4.0	7000	—	30	$1.19	$1.09	$.95	$.79
2160067	MVL-514SW-T	UNI	2	White	Water clear	T1 ¾	0.197/5	0.30	1.04	0.10	3.2	7000	—	30	1.09	.99	.89	.75
2144753	TLWB7600	VSH	3	Blue	Water clear (7.62mm sq.)	2mm dome	0.079/2	0.30	0.30	0.20	4.3	2000	470	30	.29	.25	.19	.15
2005702	LTL912VEKSA✳	LTO	3	Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.15	1200	632	50	✻	.10	.08	.06
404603	MCDL-1860UGC-TL✳	JVP	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	525	75	.59	.49	.39	.29
404591	MCDL-1860UBC-15C✳	JVP	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	1.39	1.25	1.15	.99
664341	MCDL-1870UWC-15C✳	JVP	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	6500	—	40	1.69	1.55	1.39	1.29
404582	MCDL-1860UWC-15C✳	JVP	3	Ultra White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	—	75	1.59	1.45	1.19	1.09
2167429	MVL-914MW✳	UNI	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.2	4000	528	50	1.29	1.19	.95	.79
2167390	MVL-904MW✳	UNI	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	4000	528	30	1.29	1.19	.95	.79
2205296	MCD-10003URC✳	JVP	2	Red	Water clear	10mm	0.394/10	0.47	1.00	0.10	1.9	1500	660	20	1.29	1.19	1.05	.85
2205309	MCD-10003UEC✳	JVP	2	Orange	Water clear	10mm	0.394/10	0.47	1.00	0.10	2.0	2000	625	20	1.29	1.19	1.05	.85
2205317	MCD-10003UYC✳	JVP	2	Yellow	Water clear	10mm	0.394/10	0.47	1.00	0.10	2.0	1800	589	20	1.29	1.19	1.05	.85
2205325	MCD-10003BC✳	JVP	2	Blue	Water clear	10mm	0.394/10	0.47	1.00	0.10	3.5	3000	470	20	1.39	1.25	1.09	.95
2205333	MCD-10003PGC✳	JVP	2	Green	Water clear	10mm	0.394/10	0.47	1.00	0.10	3.5	11000	525	20	1.39	1.25	1.09	.95
2205341	MCD-10003UWC✳	JVP	2	White	Water circuit	10mm	0.394/10	0.47	1.00	0.10	3.5	9000	—	20	1.39	1.25	1.09	.95

JAMECO ValuePro ## RGB High-Output LEDs

Figure images on previous page   ★ **Web Code: RKK**

Part No.	Cross Ref. No.	✳Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
2125181	MCDL-5T8R6G5B6C✳	JVP	4	Red/Green/Blue	Water clear	T1 ¾	0.197/5	0.34	1.11	0.028	2.25/3.5/3.5	3500/4000/2000	624/525/470	20	$1.95	$1.75	$1.59	$1.39
2128500	MCDL-5013RGBC-TL-A	JVP	4	Red/Green/Blue	Water clear	T1 ¾	0.197/5	0.30	0.78	0.05	2.0/3.5/3.5	3000/5000/1000	628/525/470	25	1.95	1.75	1.59	1.39
2157271	MCDL-5013RGBW-B✳	JVP	1	Red/Green/Blue†	Diffused	T1 ¾	0.197/5	0.30	1.00	0.10	2.3/3.5/3.5	300/300/300	630/525/470	40	1.49	1.35	1.19	1.09
2152163	MCDL-833RGBW-B✳	JVP	1	Red/Green/Blue†	Diffused	10mm	0.394/10	0.43	1.00	0.10	5.0/5.0/5.0	700/800/400	625/525/470	20	1.79	1.59	1.39	1.19

2125181: Common Cathode; **2128500:** Common Anode   † Auto blink/color change function

LITEON ## Standard-Output LEDs and Circuit Board Indicators (CBI)

5 Million pieces Lite-On LED Sale!
Visit Jameco.com and use web code   ★ **Web Code: SOI**

Fig. 1
Fig. 2
Fig. 3
Fig. 4
Fig. 5
Fig. 6
Fig. 7
Fig. 8
Fig. 9
Fig. 10
Fig. 11
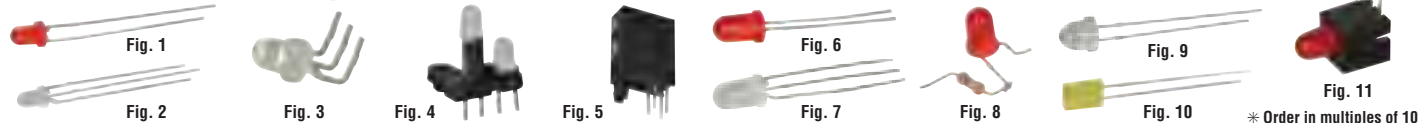
✻ Order in multiples of 10

Part No.	Product No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
2186515	LTL-4202	1	Red	Transparent	T1	0.119/3	0.17	1.00	0.10	1.7	5.6	655	20	✻	$.07	$.055	$.045
697565	LTL-4211N✳	1	Bright Red	Diffused	T1	0.119/3	0.17	1.00	0.10	2.1	2.5	697	40	✻	.07	.055	.045
2186435	LTL-16KEE	1	Hi Eff. Red	Transparent	T1	0.119/3	0.16	0.95	0.10	2.0	19	635	45	✻	.07	.055	.045
2186371	LTL-1BEWJ	2	Red/Green	Diffused (3 lead)	T1	0.119/3	0.16	0.79	0.10	1.8/2.1	12.6/5.6	660/565	140	✻	.12	.09	.06
2186451	LTL-1BEHKVMP1	3	Hi Eff. Red/Green	Water Clear (3 lead)	T1	0.119/3	0.16	0.19	0.10	2.0/2.1	19/29	650/565	55	✻	.09	.069	.055
790111	LTL-16KGE✳	1	Green	Transparent	T1	0.119/3	0.16	0.95	0.10	2.1	40	569	45	✻	.079	.059	.045
2186304	LTL-14CHJHE	4	Green/Red Orange	Diffused (4 lead)	T1	0.119/3	0.13	0.14	0.10	2.1/2.0	4.8	565/630	200	✻	.07	.055	.045
2186398	LTL-1HEDK	2	Green/Yellow	Water Clear (3 lead)	T1	0.119/3	0.12	0.79	0.10	2.1	19	565/585	70	✻	.12	.09	.06
2186275	L934JQ/2GC-C15	5	Green/Green (dual)	Diffused	T1	0.119/3	0.50	0.18	0.10	1.8	20	568	60	✻	.12	.09	.06
2193900	LTL-307UR-002	6	Red	Diffused	T1 ¾	0.197/5	0.29	0.83	0.10	1.8	470	660	50	✻	.09	.07	.055
2186321	LTL-4204	6	Red	Transparent	T1 ¾	0.197/5	0.30	1.00	0.10	1.7	19	655	16	✻	.12	.09	.06
2186558	MSB557DA-OHM	8	Red (blinking)	Diffused	T1 ¾	0.197/5	0.30	0.94	0.10	3.0	80	660	30	✻	.12	.09	.06
2186460	LTL-30WJNF	6	Red/Green	Diffused	T1 ¾	0.197/5	0.34	0.83	0.10	1.8/2.1	60/29	660/565	60	✻	.15	.12	.099
1995960	LTL-30EHJ-002✳	7	Red Orange/Green	Diffused (3 lead)	T1 ¾	0.197/5	0.37	0.79	0.10	2.0/2.1	60/100	630/565	30	✻	.15	.12	.09
2186419	LTL-2H3VYKNT	6	Amber Yellow	Water Clear	T1 ¾	0.197/5	0.30	0.87	0.10	2.0	3400	595	15	✻	.15	.12	.09
2186259	LTL-5238	9	Green (low profile)	Water Clear	T1 ¾	0.197/5	0.18	1.00	0.10	2.1	34	565	44	✻	.07	.055	.039
2186312	LTL-514-11	11	Green	Diffused	T1 ¾	0.197/5	0.31	0.27	0.10	2.1	19	565	34	✻	.12	.09	.06
2186267	LTL-433Y	10	Yellow (rectangular)	Diffused	2mmx5mm	Rectangle	0.29	1.00	0.10	2.1	3.7	585	140	✻	.06	.04	.03
2186347	LTL-3231A-012	10	Green (rectangular)	Diffused	2mmx5mm	Rectangle	0.28	1.00	0.10	2.1	2.5	565	140	✻	.05	.035	.025

velleman ## Power LED Driver Module

- Delivers accurate constant current required by most high power LEDs
- Input voltage: 6-12VAC/9-18VDC   • Power consumption: 650mA max.
- High efficiency due to switch mode principle
- Size: 1.8"L x 1.2"W x 0.64"H   • Short-circuit protected
- Built-in rectifier for easy connection to AC source
- Also suited as fixed current NiCd/NiMH battery charge circuit
- Constant current source: 350mA or 700mA

10-Watt Constant Current LED Driver

- Type: AC – DC   • Input volt.: 100-240VAC @ 50-60Hz
- 3-watt LED drivers can drive 2 to 8 1-watt LEDs or 1 to 3
  3-watt LEDs   • Operating temp. range: -20°C to 40°C
- 10-watt LED drivers can drive 3 to 8 1-watt LEDs
- UL/CUL/CE approved
- Plug in type, 7 ft. cable with
  2.1mm x 5.5mm center positive plug

Part No.	Mfr. Part No.	Description	1	5
2006932	K8071✳	1-watt/3-watt module kit	$13.95	$12.95

Part No.	Mfr. Part No.	Description	Output Volt./Curr.	1	5
2006879	LD-PI3536AF✳	10-watt LED driver	3-36VDC @ 350mA ..	$17.95	$15.95

✳ **JVP** = Jameco ValuePro | **LTO** = Lite-On | **UNI** = Unity Opto Technology | **VSH** = Vishay

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

LIGITEK MCD High Power LEDs with Heat Sink

NEW MARKED IN PINK

★ Web Code: HPL

- Superior high-flux output and high luminance
- Lambertian or 'High Dome' LED has a high hemispherical dome with a wider 140° viewing angle • Represents Star form factor with heat sink
- High dome series projects a wider and clearer light beam • ESD protection

2096851

Part No.	Mfr.	Mfr. Part No.	Power (W)	Color	Volt. @ Curr. (Vf @ If)	Luminous Flux (lm)	Viewing Angle (°)	1	10	25
2096843	MCD	MCDL-L20-350HPCWS ℛ	1	White	3.2 @ 0.35A	90	140	$5.49	$4.95	$4.49
2096851	MCD	MCDL-L20-350HPWWS ℛ	1	Warm white	3.2 @ 0.35A	86	140	5.49	4.95	4.49
2006908	Ligitek	L-HP3PW ℛ	3	White	3.2 @ 1A	120	90	7.95	6.95	6.25
2197767	MCD	MCDL-L20-750HPCW ℛ	4	White	3.7 @ 1A	220	140	9.95	8.95	8.49
2197775	MCD	MCDL-L20-350HP3RE ℛ	2	Red	2.4 @ 1A	80	140	7.95	7.49	6.95

JAMECO ValuePro Water Clear Lens RGB LEDs

★ Web Code: RKK

Now you can have red, green, and blue (RGB) colors from one single LED that provides high radiant power and intensity.

Complete selection of LEDs on pages 20-25

2125181

- LED size: T1¾ (5mm) • Lens color: water clear • 4 lead connection

Part No.	Cross Ref. No.	Type	1	10	100
2125181	MCDL-5T8R6G5B6C ℛ	Common cathode	$1.95	$1.75	$1.59
2128500	MCDL-5013RGBC-TL-A	Common anode	1.95	1.75	1.59

THING M BlinkM Programmable Smart LEDs

2123629   2123645   2123637   2123653

Choose virtually any color, fade between two colors or make your own blinking sequence. No knowledge of programming or electronics required.

2123645/2123637/2123653: 24-bit, 4-pin I²C interface

★ Web Code: SLS

Part No.	Mfr. P/N	Description	1	5
2123629	LinkM ℛ	USB programmer, 4-pin 0.1" I²C, driverless	$29.95	$27.95
2123645	MiniM ℛ	6000 mcd, 120° FOV, 3.6-5V op. volt, 60mA max	13.49	11.95
2123637	BlinkM ℛ	8000 mcd, 140° FOV, 3.6-5V op. volt, 60mA max	13.95	12.95
2123653	MaxM ℛ	445,000 mcd, 30° FOV, 5-24V op. volt, 3A max	24.95	23.49

JKL 12V Festoon LED

NEW MARKED IN PINK

★ Web Code: FES

- Scratch and shock resistant glass encapsulated
- Size: 2204322: 31mm
  2204306: 39mm
  2204314: 44mm
  2204331: 42mm

2204322

Shown with Socket (sold separately)

Lamp

Part No.	Mfr. Part No.	Voltage @ Current	Color	Lumens	1	10
2113261	LE-0603-02W	12VDC @ 20mA	White	10.0	$4.95	$4.49
2204322	LE-1031-02W	12VDC @ 20mA	White	7.6	4.95	4.49
2204306	LE-0909-11NW	12/24VDC/AC @ 45mA	Neutral White	43	6.95	6.49
2204314	LE-0909-14NW	12/24VDC/AC @ 45mA	Neutral White	43	6.95	6.49
2204331	LE-3042-02-WW	12VDC/AC, 24VDC @ 50mA	Warm White	65	5.95	5.49

Socket

Part No.	Mfr. Part No.	Description	1	10	50
2113367	2910F-47	Socket	$.75	$.69	$.55
2204605	2910F-42	Fits 38-43mm lamps, 1.97"L x .66"W x .76"H	.75	.69	.55

★LED Light Strips — Enter Web Code BDZ

macetech.com Macetech LED Modules

★ Web Code: MTH

2173790/2173811: 10-bit PWM, current and automatic overtemperature controls
2173811: • Right-angle headers, 3 RGB LEDs
• Daisy-chainable using 6-pin cable P/N 2174872 (see web)

2173790   2173811

Part No.	Mfr. Part No.	Description	1	5
2173790	MTSBR003 ℛ	Shiftbrite 2.0 RGB LED module, 8000mcd brightness per color, 5.5-9V, integrated voltage regulator, PCB size: 0.8" x 0.8"	$4.95	$4.49
2173811	MTMBR002 ℛ	Megabrite LED module, 40,000mcd brightness per color, 140° angle, 5.5-9V, uses five-chip 100mA wide angle RGB LEDs	9.95	9.49

JKL 12-24V LED Dimmer

Control the brightness of single channel constant voltage LED devices and fixtures operating at 12-24VDC. Dim from 100% full brightness to 20% brightness without flickering. Good for display cases, architectural and cove lighting applications.

- 8 amps maximum load • Size 2.0"L x 3.0"W
- Operating temperature: 0°F – 140°F

Part No.	Mfr. Part No.	1	5
2153140	ZDM-01	$16.95	$14.95

LUNASEA LIGHTING 12" Slim Aluminum Light Bar Strips

Equivalent to a standard 40W light bulb!

- Ultra bright LEDs
- Consumes only 5W
- Stylish modern design
- USB mini-B connection
- Operating voltage range: 10-30VDC • Aluminum bar with glass cover
- Up to 6 bars can be daisy-chained together with P/N 2177635
- Life expectancy: over 50,000 hours

Part No	Color	Brightness	1	5
2177571	Cool white	408 lumens	$29.95	$26.95
2177580	Warm white	360 lumens	29.95	26.95
2177601	Blue	80 lumens	29.95	26.95

Part No	Description	1	10
2177635	6" mini USB connector cord	$3.95	$3.49

Digitra Ultra Brite LED Module with Built-In LED Driver

★ Web Code: LEM

An all-in-one solution to your high power LED lighting needs! Connect directly to any 12V power supply. Only at 1" x 1.25" in size and linkable up to 30 modules!

Part No.	Mfr. Part No.	#Leds	Power	Volt.	Color	Viewing Angle	lm	1	5
2125763	LHA-06B12-N-00 ℛ	6	150mA	12*	White	120°	87	$9.95	$8.95

*Unregulated 12V

JKL 3-LED Module and Ambient Light Switch

NEW MARKED IN PINK

2204349: 12VDC per module @ 45mA
Color temperature: 6000k
LED viewing angle: 120 degrees
2204293: 12 or 24VDC operation;
Load current rating: 8A
Trigger range: 85 lux ON - 215 lux OFF

2204349   2204293

Part No.	Mfr. Part No.	Description	1	10
2204349	ZM-1968-CW	Water resistant LED module	$4.95	$4.49
2204293	ZCTR-04	Ambient light switch	24.95	22.49

JAMECO ValuePro 1" x 1.56" LED Backlight

- IC compatible • D.C. forward current: 30mA
- Peak wavelength: 567nm @ 20mA • View angle: 52°
- Forward voltage: (typical) 4.2V @ 20mA; (max) 6.0V @ 20mA
- Luminous intensity: (min) 14.9mcd @ 20mA; (typical) 24.8mcd @ 20mA
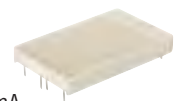
Part No.	Cross Ref. No.	LED Material	Emitting Color	Lens Color	1	10	100
302535	LT1F24-A2-S8	GaP	Green	Clear	$.99	$.89	$.79

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

LED Drivers, Boards and Accessories
Drive and control low-high power LEDs with ease.

NEW — MARKED IN PINK

2192165 2192157 2192173 2192181

2192131 2192149 2192190 2192202

Part No.	Mfr. Part No.	Description	1	5
2192165	DIM4-RV0ℛ	LED dimmer, on-off dusk-dawn 355Hz ... PWM controller, input: 6-48VDC	$21.95	$19.95
2192157	DIM5-RV0ℛ	PWM continuous LED dimmer, ... input: 6-48VDC, basic 355Hz PWM control	16.95	15.49
2192173	TSW1-RV2ℛ	LED proximity touch switch controller, ... input: 8-48VDC, 3mA consumption	16.95	15.49
2192181	DDC1-RV0ℛ	Dusk to dawn LED remote controller, ... input: 8-48VDC, 3mA consumption	12.95	11.95
2192131	DRV5-RV1ADJ1700ℛ	30W Adjustable LED driver, ... 100-1700mA adjustment, output protected	10.95	9.95
2192149	DRV5-RV1-700ℛ	30W LED driver, 700mA constant .... current output, output protected	10.49	9.49
2192190	LED5-RV0ℛ	440 Lumen LED board, two 3W LEDs, ... warm white, 7Vf, 700mA current	7.95	6.95
2192202	LED6-RV0ℛ	440 Lumen LED board, two 3W LEDs, ... neutral white, 7Vf, 700mA current	7.95	6.95

Assembled Flex-Lite Colored LED Cables

★ Web Code: FLX

CLOSEOUT

• Assembled Flex-Lite LED cable kits
• Sealed LEDs in clear flexible silicon gel
• Applications: lighting art, accent lighting
• Includes power supply, power cable and mounting hardware • Length: 6'
* Square: 0.41" x 0.5"; Round: 0.5" diameter

Just Plug It In

Red (Light On)

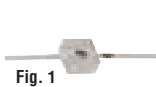| Part No.	Mfr. Part No.	Color	Voltage	Type*	mcd/ft.	Price
2131531	RL-12F-02-ASSBLY	Amber	12VDC	Square	7200	$14.95
2131514	RL-12F-08-ASSBLY	Yellow	12VDC	Square	7200	14.95
2131549	RL-12F-04-ASSBLY	Green	12VDC	Square	18000	14.95
2131557	RL-12F-05-ASSBLY	Blue	12VDC	Square	3960	14.95
2131602	RL-15F-05-ASSBLY	Blue	110VDC	Square	3960	14.95
2131653	RL-12R-08-ASSBLY	Yellow	12VDC	Round	7200	14.95
2131741	RL-15R-05-ASSBLY	Blue	110VDC	Round	3960	14.95

velleman Electroluminescence Wire

★ Web Code: BDZ

Wrap this wire around any object such as a musical instrument, model, science project or presentation board. Supercharge your project with brilliant color.
• Powered by 2 AA batteries • Length: 4.5'

Part No.	Mfr. Part No.	1	5	25
263484	NWRB15	$19.95	$18.95	$17.95

evluma LED Module

Designed for superbright illumination applications.
• 16 LEDs in 4 clusters on heatsink • 2160 Lumens, white
• 55VAC @ 70mA, 120-277VAC thru TMP circuit • 180k mcd

Part No.	Description	1	5	25
2179374	LED assembly	$10.95	$9.95	$8.95

Infrared & Visible Light Emitters & Detectors

• Use for remote control and/or for fiber optics

★ Web Code: VAP

Fig. 1 Fig. 2 Fig. 3 Fig.4 Fig. 5 Fig. 6 Fig. 7 Fig. 8
∗ Order in multiples of 10
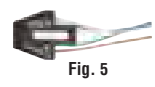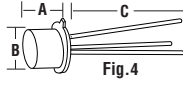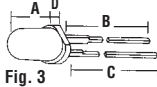
Part No.	Product No.	*Mfr.	Fig.	Description	Size	Diameter inch/mm	A	B	C	D	Forward Voltage @ Current	Wavelngh nm	mWatts	1	10	100
2099403	PS5022	JVP	1	Phototransistor	Dome	0.06/1.7	0.13	0.35	0.35	—	5.0 @ 20mA	880	1	∗	$.12	$.10
790461	LTR-301ℛ	LTO	2	Phototransistor	Dome	0.06/1.5	0.23	0.66	0.55	0.18	30 @ 1mA	940	40	.35	.29	.25
790057	LTE-302ℛ	LTO	2	Infrared emitter diode (GaAs) side look	Dome	0.06/1.5	0.23	0.63	0.63	0.18	1.2 @ 20mA	940	40	∗	.17	.12
112150	LIR2043ℛ	LIG	3	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2 @ 20mA	940	5	∗	.19	.15
372710	UT0383-41-940	JVP	3	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3 @ 50mA	940	13	.29	.25	.19
1950825	L-34F3CSℛ	JVP	3	Infrared emitter diode (GaAs)	T1	0.125/3	0.20	1.00	0.94	0.04	1.2 @ 20mA	940	80	.39	.35	.29
112176	LPT2023ℛ	LIG	3	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	30 @ 0.1A	940	100	.39	.35	.29
2125261	TSHA4400	VSH	3	Infrared emitter diode (GaAlAs) water clear	T1	0.114/2.9	0.13	0.90	1.00	0.04	1.5 @ 100mA	875	20	.25	.19	.15
2120410	RPT-38PB3F	RHM	3	Phototransistor	T1	0.125/3	0.18	0.95	0.98	0.03	5 @ 30mA	800	150	∗	.15	.12
1872265	OP505Aℛ	OPT	3	Infrared silicon phototransistor	T1	0.125/3.2	0.20	0.50	0.50	0.03	30VBRCEO @100µA	850	100	.79	.69	.59
2162548	LTE-2871	LTO	3	Infrared emitter diode	T1 ¾	0.197/5	0.29	1.00	1.03	0.03	1.6 @ 20mA	940	90	∗	.19	.15
1623349	SFH484-2ℛ	SYL	3	Infrared emitter diode	T1 ¾	0.197/5	0.30	0.50	1.14	1.07	1.5 @ 100mA	880	25	.75	.65	.55
372737	UT1883-81-880ℛ	JVP	3	Infrared emitter diode (GaAs) water clear	T1 ¾	0.200/5	0.30	0.88	0.94	0.04	1.5 @ 50mA	880	16	.35	.29	.25
1872151	OP290Aℛ	OPT	3	Infrared emitter diode	T1 ¾	0.195/5	0.30	0.75	1.00	0.04	4.0 @ 1.5A	890	333	1.29	1.19	1.09
106526	LVIR3333ℛ	LIG	3	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.34	0.78	0.84	0.04	1.2 @ 20mA	940	8	∗	.19	.15
372762	UT1883-81-940ℛ	JVP	3	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.30	0.88	0.94	0.04	1.3 @ 50mA	940	16	.29	.25	.15
1110914	TSAL6100ℛ	VSH	3	High power infrared emitting diode	T1 ¾	0.23/5.8	0.30	0.98	1.04	0.04	1.35 @ 100mA	940	210	.49	.45	.35
1950622	TSHA5502	VSH	3	Infrared emitter diode (GaAlAs)	T1 ¾	0.200/5	0.30	0.97	1.04	0.04	1.5 @ 1mA	870	210	.39	.35	.29
373001	UT1893-91-0125ℛ	JVP	3	Infrared phototransistor	T1 ¾	0.200/5	0.34	0.88	0.94	0.04	30 @ 0.1A	870	20	.35	.29	.25
2129385	UT1893-45-0125ℛ	JVP	3	Infrared phototransistor	T1 ¾	0.200/5	0.34	0.88	0.94	0.04	30 @ 0.1A	860/940	20	.35	.29	.25
2205350	SFH205ℛ	JVP	3	PIN silicon photodiode	T1 ¾	0.201/5	0.272	0.70	0.75	0.04	1.3 @ 28mA	950	150	1.09	.99	.89
1872441	OP999ℛ	OPT	3	PIN silicon photodiode	T1 ¾	0.205/5.3	0.31	0.69	0.75	0.04	1.2 @ 1mA	200	100	1.19	1.09	.99
1108144	TEPT5600	VSH	3	Silicon NPN phototransistor	T1 ¾	0.197/5	0.30	0.97	1.03	0.04	6 @ 20mA	570	100	.65	.55	.45
120221	BPW77NA	VSH	4	NPN phototransistor	TO-18	0.18/4.69	0.24	0.19	0.52	0.01	70VCEO @ 50mA	850	250	2.75	2.49	2.25
1872759	OPB704WZℛ	OPT	5	Infrared emitting diode/phototransistor	—	0.61/15.5	0.61	24	24	—	1.7 @ 40mA	890	68	4.95	4.49	3.95
2159904	PT101SCOLZOF	SHP	6	Phototransistor rect. R/A	Rect.	0.118/0.7	—	0.56	0.61	—	3.5 @ 2mA	620	5	.35	.32	.25
874939	QRD1114	FSC	7	Reflective object sensor phototransistor	Rect.	0.24/6.1	0.18	0.17	0.5	—	1.7 @ 20mA	940	100	1.29	1.09	.89
1621132	BPW34ℛ	SYL	8	PIN silicon photodiode chip	Square	—	0.075	0.157	0.118	—	1.3 @ 80µA	850	150	.99	.89	.79

* FSC = Fairchild Semi | JVP = Jameco ValuePro | LIG = Ligitek | LTO = Lite-On | OPT = Optek | RHM = Rohm | SYL = Sylvania | SHP = Sharp | VSH = Vishay

★ For additional products, availability and specifications visit *Jameco.com* and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Optos

Fig. 1   Fig. 2   Fig. 3   Fig. 4

Fig. 5   Fig. 6   Fig. 7   ★ Web Code: DBH

JAMECO ValuePro — Incandescent Lamps

Part No.	Cross Ref.	Fig.	Description	Volts	MSCP	1	10	100
209390	14	1	G3 1/2 miniature screw	2.47	.50	$.45	$.39	$.35
209402	40	2	T3 1/4 miniature screw	6.3	.50	.39	.35	.29
209437	47	3	T3 1/4 miniature bayonet	6.3	.50	.35	.29	.25
141073	2182	4	T1 3/4 wire terminal	14	.34	.49	.45	.39
1943916	CM8-A241	5	T1 wire terminal w/ blue cap	12	.15	.39	.35	.29
141066	2200ℛ	4	T1 3/4 wire terminal	5	.05	.49	.45	.39
210008	7328	6	T1 3/4 bi-pin	6	.60	.69	.59	.55
210032	7382	5	T1 3/4 bi-pin	14	.30	.65	.59	.55

JAMECO ValuePro — Neon Lamps

✳ Order in multiples of 10   ★ Web Code: VAD

Part No.	Cross Ref.	Fig.	Description	Voltage	1	10	100
27351	A1A (NE-2)	7	Wire terminal .5mA, 25mm L	65-120	$.35	$.29	$.25
210260	A9A (NE-2E)	7	Wire terminal .7mA	65-120	✳	.19	.15
210315	C2A (NE-2H)	7	Wire term. 1.9mA, 18mm L	65-120	.35	.29	.25

JAMECO ValuePro — Cluster Type T1-3/4 LED Lamp

- Cluster type 4 orange-red 5mm LEDs
- Lens: red tinted transparent
- Vf @If = 9V @ 20mA (typical)
- 21" long-2-wire with connector
- 634mm
- Luminous uniformity: 16cd
- 26mm diameter case size
- 30 degree viewing angle

Part No.	Cross Ref. No.	1	10	100
2155276	BVM-R26QT4 ℛ	$1.29	$1.09	$.89

ROHM — 785nm AlGaAs Laser Diode

- Typical application: optical LAN (fiber channel)
- Voltage and current: 1.9V (typical) @ 45mA
- Monitor current: 0.2mA (3mW, 15V_R(PIN))
- Power: 5mW
- Parallel divergence angle: 15°
- Perpendicular divergence angle: 45°
- Peak wavelength: 785nm (typical)

Part No.	Mfr. Part No.	1	5	25
2135398	RLD-78PIT	$2.49	$2.15	$1.85

650nm Laser Diodes   182932

- **182932**: Output power - 5mW max.; operating volt. & current: 2.6V max @ 30mA; wavelength - 650nm (typ); beam divergence - 11° from center
- **2120428**: Output power - 5mW min.; oper. volt. & current: 2.6V max @ 70mA; wavelength - 650nm (typ); beam divergence - 8° from center

Class IIIa Laser Product

Part No.	Mfr.	Product No.	1	5	25
182932	ValuePro	ULD-6556	$14.95	$13.45	$11.95
2120428	Lite-On	LTLD505T	3.49	2.95	2.49

Infrared Pulsed Laser Diode

- Emmission wavelength: 905nm
- Peak output power: 25W
- Threshold current: 0.75A
- Pulse width (FWHM): 100ns
- Operating voltage: 4.3V typical
- Beam divergence (perpendicular to pn junction: 25°
- Typical applications: hand-held laser range finders, traffic surveillance, professional laser sensors, automotive applications.

NEW MARKED IN PINK

Part No.	Mfr. Part No.	1	5	25
2192763	SPL-PL90ℛ	$15.95	$14.49	$12.95

alpec — 532nm Green Laser Pointer

- Output wavelength: 532nm
- Output power: <5mW

Class IIIa Laser Product

Includes: Metal gift box, clip and 2 AAA batteries

Part No.	Mfr. Part No.	Size (L" x Dia")	1	5
223731	5608	5.6 x 0.5	$79.95	$74.95

alpec — Spectra Red Laser Pointer Pen

Includes: 2 AAA batteries
- Range up to 500 yards
- 670nm output wave length
- Plastic gift box • <5mW

Class IIIa Laser Product

Part No.	Mfr. Part No.	Size (L" x Dia")	1	5
153605	4012	5.2 x 0.4	$21.95	$19.75

Red Laser Pointer Pens

Includes: 2 AAA batteries
- Max. output power: 5mW
- Range up to 500 yards
- Wave length: 630 to 650nm

2151128   JAMECO ValuePro

Part No.	Mfr. Part No.	Size (L" x Dia")	1	5
2151128	CL2000	5.8 x 0.4	$10.95	$9.95
2205552	4000	5.2 x 0.4	17.95	15.95

alpec — 650nm Red Laser Pointer Pen

- Range up to 500 yards
- 650nm output wave length
- Plastic gift box • 5mW
Includes: 2 AAA batteries

NEW MARKED IN PINK

Part No.	Mfr. Part No.	Size (L" x Dia")	1	5
2205544	4061	5.2 x 0.4	$19.95	$17.95

JKL — Wedge Base LED Lamp

★ Web Code: WBL

Wedge LEDs can replace filament bulbs commonly found in automotive and water craft applications. The LEDs feature an integrated diode for reverse voltage protection and a current limiting resistor.

Part No.	Mfr. Part No.	Volt. @ Current	Color	Wavelength	Lumens	1	10	100
2123371	LE-0503-03W	12VDC @ 15mA	White	X=0.3; Y=0.29	2.5	$1.49	$1.35	$1.19

JKL — 12" Fluorescent Lamp & Power Supply

Now you can easily and affordably mount these fluorescent lamps to add cool cold-cathode effects and give your display a richer look and feel.

★ Web Code: ABP

2077466

2077440

Part No.	Mfr.	Mfr. Part No.	Description	Size (L" x Dia.")	1	10	25
2077466	JKL	FLC12-12	Cool white lamp†	12 x .120	$.69	$.59	$.49
2077440	Velleman	FLPS	12VDC power supply for above lamps	6.95	5.95	4.95

† 1" solder terminals

Ultraviolet Lamp & Ballast (Rapid Start)

2100128   2100005

Part No.	Mfr.	Product No.	Description	1	10	100
2100128	ValuePro	TUV25W/G25	20" T5 ultraviolet lamp	$2.95	$2.75	$2.49
2100005	Lightwave	LW20EB20-120	25W rapid start ballast	2.95	1.95	1.59

JAMECO ValuePro — Multi-Chip Based LED Lamps

T1 - Midget Flange

392690

Part No.	Product No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing		
							1	10	100
392690	585-4125	Yellow	14	20	530	630	$.99	$.89	$.79

650nm Line and Dot Laser Diodes

143845/173243:
- Focus adjustable with locking set screw
- Wattage: 5mW
- Oper. volt.: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty

JAMECO ValuePro   Class IIIb Laser Product

143845: Line laser module
- Laser line width: 1mm • Laser fan angle: 60°

173243

173243: Cross hair laser diode module
- Laser fan angle: 60° • Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

1940660: Module regulated power supply
- Output: 5VDC @ 1A
- Short-circuit protection
- Input voltage: 90-264VAC or 190-250VAC switchable
- Size: 2.6"H x 1.3"W x 1.9"D
- Weight: 0.6 lbs.

Laser Diode

143853: Laser module mount
- X-Y tilt, θ movement
- Built to hold laser diode on target
- Tightening screw for tilt adjustment

143853

Part No.	Description	1	5
143845	Line laser diode module	$139.95	$124.95
173243	Cross hair laser diode module	149.95	134.95
1940660	Power supply, 5VDC/1Aℛ	9.49	8.49
143853	Laser diode module mount	69.95	59.95

★ Laser Products — Enter Web Code LAZ

★ Soldering Irons — Enter Web Code QAS

★ Rocker Switches — Enter Web Code VBU

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Optos

Panel Mount Indicators (LED, Incandescent, Neon)

★ *Web Code: SOL*

These bright indicator lights come equipped with quick and easy connections. They come in many different types for your specific needs.

- 14/28/125/250/277/480 volts
- Red, amber, yellow, green, blue or white
- .187"/.250" tabs; clamp screw; stripped & tin wires termination
- UL/CUL/TUV/CE approved

KF 12/13 series:
- 22mm (0.88") mounting hole
- Housing: PBT w/ 20% glass
- Hex nut and panel seal mounting hardware
- Diffuser: polyacetal
- Lens and hex nut: polycarbonate

Fig. 1 Fig. 2 Fig. 3

Part No.	Mfr. Part No.	Fig.	Voltage (V)	Color	Mounting Hole	Type	Termination	1	10	100
2129511	2935-1-12-393-1	1	14	Red	0.51"	Incandescent	6" wires	$.69	$.59	$.49
2126432	KE12-4-03-01010	2	14	Red (translucent lens)	0.63"	LED	0.250" tabs	.79	.69	.59
2126424	KE12-4-03-01020	2	14	Amber (translucent lens)	0.63"	LED	0.250" tabs	.69	.59	.49
2126416	KE12-4-03-01040	2	14	Green (translucent lens)	0.63"	LED	0.250" tabs	.79	.69	.59
2126408	KE12-4-03-01050	2	14	Blue (translucent lens)	0.63"	LED	0.250" tabs	.79	.69	.59
2126483	2415-3-12-216-1	3	125	Red	0.312"	LED	0.187" tabs	.69	.59	.49
2129545	4416-1-20-010-1	4	250	Red	0.250"	LED	9" wires	.49	.39	.29
2126512	2954-X-11-373-10	5	480	Red	0.50"	Neon	15" wires	.39	.35	.29

Fig. 4

Neon Bulb

★ *Web Code: NOB*

Part No.	Mfr. Part No.	Fig.	Description	1	10	100
2129553	9950-X-00-00000-0002	6	125V Neon bulb with 46k resistor, 2" wires	$.29	$.25	$.19

Fig. 5

Fig. 6

Optos

LED Panel Mount Indicators

JAMECO ValuePro

- Easy panel installation
- Panel/status/instrument indicators

★ *Web Code: SOL*

141111/141129/141137: Chrome housing

141111   141129/141137   637183

Part No.	Cross Ref. No.	Mfr.	LED Size	Color	Dimensions (in.) L	A	B	Mounting Hole	Vf @ If	Pricing 1	10	100
141111	L922SRD	JVP	T1	Red	.56	.34	.25	.23"	2V @ 20mA	$1.09	$.99	$.79
141129	L913RD	JVP	T1	Red	.56	.39	.32	.24"	2V @ 20mA	1.19	1.05	.95
141137	L917RD§	JVP	T1 ¾	Red	.70	.55	.47	.31"	2V @ 20mA	1.19	1.05	.95
637183	UT2U1G-H113-R801-W05†	JVP	T1 ¾	Green	.55	5.5	5.5	.24"	12V @ 10mA	.95	.85	.75
2158936	UT2U1W-H113-R801-1739	LED	T1 ¾	White	.55	5.5	5.5	.24"	12V @ 30mA	.95	.85	.75

† Has internal resistor to run 12V @ 10mA   § Additional panel mounting hardware, P/N 2182602 (pg 81)

12V Incandescent Panel Mount Lamps

JAMECO ValuePro

- **215715:** Solder terminals - 0.196" (5mm)

★ *Web Code: JBJ*

Part No.	Cross Ref. No.	Fig.	Color	Mounting Hole	Wire Length	1	10	100
2181360	NN792-12V-12CM-REDℛ§	1	Red	9/32" (7mm)	4.7" (120mm)	$1.49	$1.35	$1.19
2158506	F151-12Gℛ§	1	Green	9/32" (7mm)	Terminals	.99	.89	.79
2181378	FNN792-12V-12CM-GRNℛ	1	Green	9/32" (7mm)	4.7" (120mm)	1.49	1.35	1.19
215766	R9-55B-W130-12V-Gℛ	1	Green	9/32" (7mm)	4.7" (120mm)	1.65	1.55	1.39
215774	R9-46B-W100-12V-Rℛ	2	Red	1/2" (13mm)	3.9" (100mm)	.95	.85	.75
215715	R9-71B-05-12V-Rℛ	3	Red	5/8" (16mm)	Terminals	2.25	1.95	1.79

§ Additional panel mounting hardware, P/N 2182688 (pg 81)

Fig. 1

Fig. 2

Fig. 3

30 ASSORTED LED INDICATORS GRAB BAG   P/N 2125616 $9.95

Neon Panel Mount Lamps

JAMECO ValuePro

- Input voltage: 120V
- Mounting hole diameter: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)

1585485:
- Rectangular
- 6" wire leads
- Size: .91"L x .38"W x .77"D

215803

★ *Web Code: JBJ*

1585485

✴ **Order in multiples of 10**

Part No.	Cross Ref. No.	Color	1	10	100
215803	R9-71N-05-120V-Rℛ	Red	$1.95	$1.75	$1.59
215812	R9-71N-05-120V-Yℛ	Yellow	1.49	1.35	1.19
215830	R9-71N-05-120V-Gℛ	Green	1.49	1.35	1.19
1585485	32501001714	Green	✴	.19	.15

Incandescent/Neon Panel Mount Lamps

- Mounting hole: .310"Dia.
- Color: red

2099788: Incandescent type
- 2.7VDC @ 60mA

2179737: Neon type
- 105VAC to 125VAC

2099788

★ *Web Code: JBJ*

Part No.	Mfr. Part No.	Lead Wire	1	10	100
2099788	970D00146*	10"	$.35	$.29	$.25
2179737	11-2062B	6"	2.95	2.59	2.25

* Manufacturer: Jameco ValuePro

Electronic Flashing Xenon Siren Lights

velleman

For alarm systems, discos, personal use, warning in case of danger, etc...

NEW MARKED IN PINK

- Long-life Xenon tube
- Reverse polarity protection
- Fully sealed and waterproof
- Input: 12VDC @ 150mA
- Power output: 1 watt
- Flash rate: 80-100 flashes/min.
- Life expectancy: ± 3 x 1,000,000 flashes
- Black ABS / acrylic cover
- Size: 2.8"Dia. x 2.5"H
- IP44 rating   • Cable length: 17.6"

2075911   2075882

Part No.	Mfr. Part No.	Color	1	5	25
2075911	HAA40Rℛ	Red	$9.95	$8.95	$7.95
2075882	HAA40Aℛ	Amber	9.95	8.95	7.95

Hi Speed Fiber Optic PIN Photodiode

OPTEK

- Reverse voltage: 100VDC
- Peak response wavelength: 860nm
- High-speed, low capacitance
- Interface with multimode optical fibers w/ 50/125 to 100/140 microns
- Continuous power dissipation: 200mW
- ST style receptacle

Part No.	Mfr. Part No.		1	10	100
2135283	OPF432		$.99	$.89	$.79

Fiber Optic Lab Kit & Cable

INDUSTRIAL FIBER OPTICS

169914:
- 9 different activities
- Ideal for the lab environment
- Teaches the fundamentals of fiber

171272

★ *Web Code: QAA*

169914

Part No.	Mfr. Part No.	Description	1	5
169914	IF-LMH	Fiber optic lab kit	$59.95	$49.95
171272	IF-C-E1000	1000µm core jacketed plastic cable (10')	5.95	5.49

*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
| NAME BRANDS | HOUSE BRANDS | SPECIAL BUY |

Avago · JAMECO ValuePro · LED · OPTEK · LIGITEK · LITEON · MCD · VISHAY

7 & 16-Segment LED Displays

Soldering:
- Soldering bath: not more than 5 seconds @ 260°C
- Soldering iron: not more than 3 seconds @ 300°C under 30W

Optos

Single Digit LHDP (2082265) · Single Digit RHDP (7-seg.) (17209) · 2-Digit RHDP (2005358) · 2-Digit RHDP (16-seg.) (2005382) · 3-Digit RHDP (2125229) · 4-Digit RHDP (7-seg.) (2006836)

Single Digit 7-Segment Numeric LED Displays

★ *Web Code: PBW*

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100
24732	MCD	GNS-3011BH-11ℛ	0.30"	Red	CA	10	1.9 @ 20	0.3 @ 20	697	LHDP/RHDP	$.89	$.79	$.69
24782	Ligitek	LSD3211-11ℛ	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	.99	.89	.75
24740	Ligitek	LSD3221-11ℛ	0.30"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP/RHDP	.99	.89	.75
2129713	Ligitek	LSD3H66F-20Aℛ	0.30"	AlGaInP Red	CA	10	1.7 @ 30	31 @ 30	630	RHDP	.49	.45	.39
2082265	General Instr.	MAN3620A	0.30"	Orange	CA	11	2.5 @ 20	3.3 @ 10	630	LHDP	.39	.29	.25
335011	ValuePro	UA3041-12ℛ	0.30"	Orange	CA	11	2.1 @ 20	3.3 @ 10	635	RHDP	.49	.39	.35
320469	ValuePro	UA3031-16-EWRNℛ	0.30"	Yellow	CA	11	3.0 @ 20	2.3 @ 10	585	LHDP/RHDP	.59	.49	.45
2188895	Hewlett Packard	HDSP-7301	0.30"	Red	CA	10	1.6 @ 25	11 @ 20	640	RHDP	1.49	1.25	.99
2125245	Vishay	TDSR3163-G	0.40"	Red	CC	10	1.6 @ 30	0.18 @ 30	660	RHDP	.59	.55	.45
334844	ValuePro	UC4041R-11ℛ	0.40"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.89	.79	.69
2005411	Lite-On	LTS-4980AHR	0.40"	Hi-eff Red	CC	14	2.1 @ 20	2.2 @ 10	635	RHDP	.49	.39	.29
17209	MCD	GNS-5011BH-11	0.50"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.09	.99	.89
17187	Ligitek	LSD5051-11ℛ	0.50"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.09	.99	.89
335090	ValuePro	UA5651-11ℛ	0.56"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.09	.99	.89
334896	ValuePro	UC5641R-11ℛ	0.56"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.89	.79	.69
335101	ValuePro	UA5641R-11ℛ	0.56"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.89	.79	.69
334880	ValuePro	UC5641-11-EWRNRℛ	0.56"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.89	.79	.69
334862	ValuePro	UC5621-11ℛ	0.56"	Green	CC	10	2.1 @ 20	2.9 @ 10	567	RHDP	.89	.79	.69
1955829	Lite-On	LTS-3403AP	0.80"	Red Gap	CC	18	2.1 @ 20	0.95 @ 10	697	LHDP/RHDP	.69	.59	.49
18753	Ligitek	LSD8151-10ℛ	0.80"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	LHDP/RHDP	.89	.79	.69
1551306	Avago	HDSP-3900	0.80"	Hi-eff Red	CA	12	2.6 @ 100	4.8 @ 20	635	LHDP	2.95	2.59	2.39
2188879	Hewlett Packard	HDSP-3401	0.80"	Red	CA	13	1.6 @ 20	12 @ 50	655	RHDP	1.09	.99	.89
18737	Ligitek	LSD8164-20ℛ	0.80"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	1.09	.95	.85
2186110	Hewlett Packard	HDSP-4200	0.80"	Yellow	CA	12	2.6 @ 100	3.4 @ 20	586	LHDP	1.95	1.75	1.49
97172	Ligitek	LSD10061-10ℛ	1.0"	Red	CA	10	2.1 @ 20	2.0 @ 20	697	RHDP	1.25	1.09	.89
97199	Ligitek	LSD23265-10ℛ	2.24"	Red	CA	10	6.8 @ 20	30 @ 20	660	RHDP	4.95	4.49	3.95
97201	Ligitek	LSD23255-10ℛ	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	4.49	3.95	3.59
105591	Ligitek	LSD40054-20ℛ‡	4.00"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	8.95	7.95	7.15

2-Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100
2075786	Ligitek	LDD4062-20/Aℛ	0.40"	Green	CA	16	2.1 @ 20	3.05 @ 10	565	RHDP	$.99	$.85	$.69
24715	Ligitek	LDD5121-20ℛ	0.56"	Red	CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.59	1.39	1.19
2125481	China Semi	SD-525R	0.56"	Red	CC	18	1.7 @ 20	1.0 @ 20	655	RHDP	1.25	1.09	.89
24723	Ligitek	LDD5111-11ℛ	0.56"	Red	CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.59	1.39	1.19
24707	Ligitek	LDD5114-20ℛ	0.56"	Orange Red	CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.39	1.19
2188887	Hewlett Packard	HDSP-5721	0.56"	Yellow	CA	18	2.1 @ 20	1.8 @ 10	583	RHDP	1.09	.99	.89
790022	Lite-On	LTD-6410AGℛ	0.56"	Green	CA	18	2.1 @ 20	2.4 @ 10	565	RHDP	1.59	1.39	1.19
2005358	Lite-On	LTD-5623BG	0.56"	Green	CC	18	2.1 @ 20	2.4 @ 10	565	RHDP	1.59	1.39	1.19

3-Digit 7-Segment Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100
335055	ValuePro	UN4043-13 EWRSℛ	0.40"	Orange	CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	$.99	$.89	$.79
2125229	ValuePro	LN5643R-11	0.56"	Orange	CA	12	2.1 @ 20	4.5 @ 10	630	RHDP	.49	.39	.29
308224	ValuePro	LM5643R-11RRRN	0.56"	Orange	CC	12	2.1 @ 20	7.4 @ 20	630	RHDP	1.95	1.75	1.49

* CA-Common Anode/CC-Common Cathode **#** LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point **‡** 5 diodes per segment

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

LITEON 7 & 16-Segment LED Displays (Continued)

LIGITEK

4-Digit 7-Segment Numeric LED Displays

Product images on previous page

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100
2006836	Ligitek	LFD5221-20/A-PF𝓡	0.56"	Red	CA	12	2.1 @ 20	1.0 @ 10	697	RHDP	$1.95	$1.75	$1.59
2005711	Lite-On	LTC-5653G-01	0.56"	Green	CA	12	2.1 @ 20	2.4 @ 10	565	RHDP	1.75	1.59	1.39
335194	ValuePro	UM5624-11-EWRS𝓡	0.56"	Green	CC	12	2.1 @ 20	2.9 @ 10	567	RHDP	2.95	2.49	2.19

2-Digit 16-Segment Alphanumeric LED Display

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100
2005382	Lite-On	LTP-4323P	0.40"	Bright Red	CC	20	2.1 @ 20	0.75 @ 10	697	RHDP	$.79	$.69	$.59

* CA-Common Anode/CC-Common Cathode   # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point   ## 1st & 2nd digits only

LITEON LED Bar Graph Arrays (10 Elements)

697477   2115531   790188

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Number of Elements	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	10	100
697477	Lite-On	LTA-1000HR𝓡	0.20"	Hi-eff. Red	10	20	2.0 @ 20	2.0 @ 10	635	$1.39	$1.25	$1.09
334529	ValuePro	UL10000-HR-RRAK	0.20"	Red	10	20	2.1 @ 20	1.6 @ 10	635	1.39	1.25	1.09
334537	ValuePro	UL10000-Y-EWAK	0.20"	Yellow	10	20	2.1 @ 20	1.1 @ 10	585	1.39	1.25	1.09
2115531	Ledtronics	LBG1000G3B𝓡	0.20"	Hi-eff Green	10	20	2.1 @ 10	5 @ 10	565	.99	.89	.79
697469	Lite-On	LTA-1000G𝓡	0.20"	Green	10	20	2.1 @ 20	2.0 @ 10	565	1.39	1.25	1.09
1551402	Avago	HDSP-4832𝓡	0.20"	Hi-eff. Red, Yellow, Green	10	20	2.1/2.2 @ 20; 2.1 @ 10	3.5/1.9/1.9 @ 10	635/583/566	7.95	6.95	6.25
2188908	Hewlett Packard	HLMP-2655	0.35"	Hi-eff. Red	4	8	1.8 @ 25	45 @ 2	626	1.09	.99	.89
790188	Lite-On	LTL-2620HR𝓡	0.35"	Hi-eff. Red	4	16	2.0 @ 20	4.2 @ 10	635	.69	.59	.49

LITEON LED Dot Matrix Displays (5 x 7, 5 x 8 & 8 x 8 Arrays)

5 x 7 Dot Matrix   5 x 8 Dot Matrix   8 x 8 Dot Matrix

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Array Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	10	100
218843	ValuePro	CSM57041T-11	0.7"	Red	5 x 7 CC/AR	12	1.8 @ 20	8.0 @ 20	660	$.89	$.79	$.69
2005497	Lite-On	LTP-757G𝓡	0.7"	Green	5 x 7 CC/AR	12	2.1 @ 20	2.0 @ 80	565	.99	.89	.75
2005518	Lite-On	LTP-1557AKA𝓡	1.2"	AllnGaP Red Orange	5 x 7 CC/AR	14	2.05 @ 20	3.8 @ 80	621	.99	.89	.79
1955132	Lite-On	LTP-2157AHR-RD	2.0"	Hi-efficiency Red	5 x 7 CC/AR	14	2.0 @ 20	4.8 @ 80	635	.99	.85	.75
1955159	Lite-On	LTP-2757AA	2.0"	Green/Red Orange	5 x 7 CC/AR	28	2.1/2.0 @ 20	4.8 @ 80	630/565	2.25	1.95	1.59
1955183	Lite-On	LTP-2158AHR	1.9"	Hi-efficiency Red	5 x 8 CC/AR	14	2.1 @ 20	4.0 @ 48	635	.89	.79	.69
2186048	Lite-On	LTP-2558AA-RA	2.3"	Red Orange/Green	5 x 8 CC/AR	28	2.6 @ 20	4.8 @ 80	565/630	6.95	6.25	5.59
2132349	ValuePro	LD788BS-SS22	0.8"	Hi-efficiency Red	8 x 8 CC/AR	16	2.0 @ 10	25.9 @ 10	632	3.95	3.59	2.95
2158573	ValuePro	GNM-19881ASG-11𝓡	1.9"	Super Red/Green	8 x 8 AC/CR	24	1.8/2.1 @ 10	3/2.5 @ 10	660/565	12.95	11.95	10.95
2158581	ValuePro	GNM-23881BSG-11𝓡	1.9"	Super Red/Green	8 x 8 CC/AR	24	1.8/2.1 @ 10	3/2.5 @ 10	660/565	12.95	11.95	10.95
2151961	ValuePro	GNM-23881BUEPGUB-11𝓡	2.3"	Red/Green/Blue	8 x 8 CC/AR	32	2.0/3.5/3.5 @ 20	110/80/55 @ 20	632/520/470	22.95	21.49	19.95

* AC-Anode Column / AR-Anode Row / CC-Cathode Column / CR-Cathode Row

TEXAS INSTRUMENTS LED Dot Matrix with Decoder Driver (4 x 7 Hexadecimal Array)

Part No.	Manufacturer	Mfr. Part No.	Character Height	Illuminated Color	Supply Voltage (V)	No. of Characters	Array Polarity	Pins/ Leads	Typical mcd	Wavelength nm	Pricing 1	10	100
32951	Texas Instruments	TIL311	0.27"	Red	5	1	4 x 7 Hex	11	0.1	660	$19.95	$17.95	$15.95

Senior Programs Manager

"It's awesome to work in a department where there are so many of us that have been here for a long time. We work really well together and have become like a second family to each other."

KATHY

20 Years of Service

* For additional products, availability and specifications visit *Jameco.com* and enter the Web Code in the product search box

Optos

Optos

Scott Edwards Electronics, Inc. — Organic LED (OLED) Serial Displays

★ **Web Code: OSD**

High brightness, high contrast, brilliant display. This display operates in wide temperature ranges, consumes low power and has EEPROM storage. Choose from four font sizes, from regular 16 x 2 to huge 8 x 1 characters.

2136382

Part No.	Mfr. Part No.	Characters x Lines	Input Data	Input Voltage (VDC @ mA)	Letters/Backlight	Module Size (in.)	Display Size (in.)	1	5	25
2136382	GLO-216Y	16 x 2 or 8 x 1	9600	3.3 - 5.3 @ 40 (50mA max.)	Yellow/Black	3.2 x 1.4 x 0.2	2.6 x 0.6	$39.95	$37.95	$35.95
2144032	GLO-416Y	16 x 4 or 4 x 1	9600	4.8 - 5.3 @ 50 (60mA max.)	Yellow/Black	3.9 x 2.4 x 0.6	3.0 x 1.0	59.95	57.95	55.95
2157407	MINI-I2C OLED	96 x 16 pixels	400kbit/s	5 @ 27.5	Light Blue/Black	1.2 x 0.6 x 0.2	0.84 x 0.14	19.95	17.95	16.49

DFROBOT — Serial/Parallel LCD Displays

★ **Web Code: DFD**

- Supply voltage: +5V   • Arduino-compatible

2160374   **2160358**

2160366

Part No.	Mfr. Part No.	Characters/ Resolution	Communication	Color Backlight-Lettering	Controller	Size (L" x W")	Pricing 1	5
2160374	FIT0127	16 characters x 2 rows	Parallel	Blue-White	KS 0066	3.1" x 1.4"	$9.95	$8.95
2160358	DFR0063	16 characters x 2 rows	I²C/TWI	Blue-White	HD44780U	3.2" x 1.4"	19.95	18.49
2160366	DFR0154	20 characters x 4 rows	I²C/TWI	Blue-White	HD44780U	3.9" x 2.4"	26.95	24.95

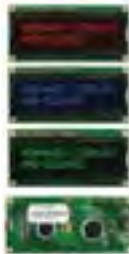## MATRIX ORBITAL / NEWHAVEN DISPLAY — Serial LCD Displays

Scott Edwards Electronics, Inc.   ★ **Web Code: QAW**

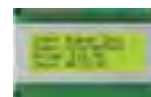- For detailed specification sheets, please visit **www.Jameco.com**.   • One-year warranty

2118651   **158166**   **2118686**   **150957**   **2152948**

281404   **2154927**   **2118555**   **2137861**   **2189046**   **2137895**

Part No.	Manufacturer	Mfr. Part No.	Characters x Lines	Input Data	Input Voltage (V @ mA)	Letters - Backlight	Notes†	Module Size (W" x H" x D")	Display Size (W" x H")	Pricing 1	5
2189020	Newhaven℟	NHD-C0216CZ-FSW-FBW-3V3	16 x 2	—	2.7-4.5 @ 30	Black-White	11	1.6 x 1.0 x 0.2	1.6 x 0.6	$9.95	$8.95
2188967	Newhaven℟	NHD-0216K3Z-NSW-BBW-V3	16 x 2	300-115200	4.7-5.5 @ 34	White-Blue	—	3.1 x 1.4 x 0.5	2.8 x 1.0	16.95	15.95
2118651	Newhaven℟	NHD-0216K3Z-FL-GBW	16 x 2	9600 (default)	5.0 @ 125	Blue-Yellow/Green	—	3.2 x 1.4 x 0.5	2.5 x 0.6	18.95	16.95
2135638	ValuePro	LK162-12-WB	16 x 2	1200-19200	5.0 @ 9	White-Blue	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	19.95	17.95
2118660	Newhaven℟	NHD-0126K3Z-FS(RGB)-FBW	16 x 2	9600 (default)	5.0 @ 18	Black-RGB	—	3.2 x 1.4 x 0.5	2.5 x 0.6	23.95	21.49
2154927	Newhaven℟	NHD-0216K3Z-NS(RGB)-FBWV3	16 x 2	300-115200	4.7-5.5 @ 33	RGB-Black	—	3.1 x 1.4 x 0.5	2.5 x 0.6	23.95	21.49
2189038	Newhaven℟	NHD-C0220AA-FSW-FTW (3V)	20 x 2	—	3.2-3.4 @ 40	Black-White	11	2.8 x 1.0 x 0.2	2.7 x 0.7	10.95	9.95
2189011	Newhaven℟	NHD-C0220BiZ-FSW-FBW-3V3M	20 x 2	—	2.7-3.5 @ 30	Black-White	11	2.8 x 1.1 x 0.3	2.4 x 0.6	10.95	10.49
2118539	Newhaven℟	C0220BIZ-FS(RGB)-FBW-3VM	20 x 2	9600 (default)	2.7-3.5 @ 1	Black-Red/Green/Blue	—	3.0 x 1.1 x 0.3	2.4 x 0.6	12.95	11.49
2188975	Newhaven℟	NHD-0220D3Z-NSW-BBW-V3	20 x 2	300-115200	4.7-5.5 @ 35	White-Blue	—	4.6 x 1.5 x 0.5	3.6 x 1.2	19.95	18.95
158166	Scott Edwards	SGX-120L	20 x 4 w/ graphics	2400 or 9600	4.8-5.5 @ 15	Yellow-None	1,2,5	3.1 x 1.9 x 0.8	2.6 x 1.1	68.95	61.95
2188983	Newhaven℟	NHD-0420D3Z-NSW-BBW-V3	20 x 4	300-115200	4.7-5.5 @ 35	White-Blue	—	3.9 x 2.4 x 0.5	3.4 x 1.6	22.95	19.95
2118686	Newhaven℟	NHD-0420D3Z-FL-GBW	20 x 4	9600 (default)	5.0 @ 245	Blue-Yellow/Green	1	3.9 x 2.4 x 0.5	3.0 x 1.0	23.95	21.49
150957	Matrix Orbital	LCD2041	20 x 4	1200-19,200	5.0 @ 10	Black-Yellow/Green	1,3,4,6	3.9 x 2.4 x 0.7	3.0 x 1.0	64.95	62.95
2152948	Matrix Orbital℟	LK204-7T-1U-TCI	20 x 4 w/ keypad	9600-12582912	4.8-5.3 @ 200	Black-Tri-color	8,9	5.5 x 1.5 x 1.1	3.2 x 1.1	64.95	62.95
281404	Matrix Orbital	GLK12232-25-FGW	122 x 32 w/ graphics	9600-115000	5.0 @ 20	Black-White	1,7	3.9 x 2.4 x 0.4	3.3 x 1.4	79.95	77.95
2118555	Newhaven℟	NHD-C12832A1Z-FSW-FBW-3V3	128 x 32 pixels	—	2.7-3.3 @ 30	Black-White	11	1.6 x 1.0 x 0.2	1.6 x 0.6	9.95	8.95
2189003	Newhaven℟	NHD-C12864LZ-FSW-FBW-3V3	128 x 64 pixels	—	2.9-3.3 @ 80	Black-White	11	3.0 x 2.1 x 0.3	3.0 x 1.7	15.95	14.95
2137861	Newhaven℟	NHD-2.23-12832UCY3	128 x 32 w/ graphics	—	3.3-3.5 @ 108	Yellow-Black	10	2.5 x 1.7 x 0.3	2.4 x 1.0	24.95	22.95
2188991	Newhaven℟	NHD-C12865AR-FSW-GBW	128 x 65 pixels	—	3.3 @ 45	Grey-White	11	2.3 x 1.7 x 0.1	2.2 x 1.6	13.95	12.95
2189046	Newhaven℟	NHD-C160100DiZ-FSW-FBW	160 x 100 pixels	—	2.4-3.3 @ 45	Black-White	11	1.9 x 1.9 x 0.2	1.8 x 1.5	18.49	17.95
2137895	Newhaven℟	NHD-2.8-25664UCY2	256 x 64 w/ graphics	—	3.0-3.3 @ 244	Yellow-Black	10	3.3 x 1.6 x 0.3	2.8 x 0.8	32.95	29.95
2137916	Newhaven℟	NHD-3.12-25664UCY2	256 x 64 w/ graphics	—	3.0-3.3 @ 250	Yellow-Black	10	3.5 x 1.7 x 0.3	3.2 x 0.9	32.95	29.95

† 1. For a power supply, Jameco recommends P/N 164101, pg 95
2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included)
3. Manual included
4. Connect 16 modules using the same two wire interface
5. EEPROM stores text font, settings and text screen
6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping and auto scroll feature
7. 122 x 32 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting & keypad interface
8. Fits into a 1U opening
9. Three status LEDs and tactile keyboard
10. OLED graphic display
11. COG (Chip-on-Glass) LCD module

Parallel LCD Displays

NEWHAVEN DISPLAY | **HANTRONIX** | **JAMECO ValuePro** | ★ **Web Code: GCG**
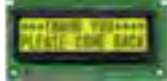
| 618003 | 2118619 | 2205368 | 210761 | 2115469 | 2118635 |

Part No.	Mfr.	Mfr. Part No.	Characters x Lines	Character Font	Input Data	Input Voltage (V @ mA)	Letters-Backlight	Notes†	Module Size (W" x H" x D")	Display Size (W" x H")	Pricing 1	5	25
2167314	Hantronix	HDM08216H-3-S005ℛ	8 x 2	5 x 7	8-bit	5.0 @ 2.2	Gray-STN-None	6	2.3 x 1.3 x 0.4	1.5 x 0.6	$4.49	$3.95	$3.49
2138791	P-Tec	PC1601J-YLFYDLX	16 x 1	5 x 8	8-bit	5.0 @ 2.0	Black-Yellow/Green	—	4.8 x 1.7 x 0.3	3.9 x 0.9	4.95	4.49	3.95
618003	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0 @ 1.25	Black-None	—	3.2 x 1.4 x 0.3	2.5 x 0.5	9.95	8.95	7.95
1946068	Tinsharp	C-1602A-1YN	16 x 2	5 x 8	8-bit	5.0 @ 1.0	Black-None	—	2.8 x 1.4 x 0.4	2.6 x 0.6	6.95	5.95	4.95
2167293	Hantronix	HDM1621H-B-S905ℛ	16 x 2	5 x 7	8-bit	5.0 @ 2.2	Gray-STN-None	6	3.3 x 1.7 x 0.4	2.4 x 0.6	3.95	3.49	2.95
2118619	Newhaven	NHD-021682-FL-YBWℛ	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	Blue-Yellow/Green	3, 4	3.3 x 1.7 x 0.5	2.5 x 0.6	10.95	9.95	8.95
2118580	Newhaven	NHD-02161Z-FL-YBWℛ	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	Blue-Yellow/Green	4, 5	3.2 x 1.4 x 0.5	2.5 x 0.6	9.95	8.95	7.95
2118598	Newhaven	NHD-0216K1Z-NSW-BBW-Lℛ	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	White-Blue	3, 4	3.2 x 1.4 x 0.5	2.5 x 0.6	10.95	9.95	8.95
1954674	Tinsharp	TC1602B-W	16 x 2	5 x 8	8-bit	5.0 @ 1.3	White-Blue	—	3.1 x 1.4 x 0.4	2.5 x 0.4	9.95	8.95	8.49
2138783	P-Tec	PC1602J-YLFYDLX	16 x 2	5 x 8	8-bit	5.0 @ 2.0	Black-Yellow/Green	—	4.8 x 1.7 x 0.3	3.9 x 0.9	4.95	4.49	3.95
2205368	ValuePro	AC-162Eℛ	16 x 2	5 x 8	8-bit	5.0 @ 2.0	Black-Yellow/Green	—	4.8 x 1.7 x 0.6	3.7 x 0.9	7.95	7.49	6.95
2081166	Optrex	DMC16249	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 3.0	Black-Grey -None	—	3.1 x 1.4 x 0.4	2.5 x 0.5	5.95	4.95	4.49
2173159	Vikay	2035STLDYGTN	16 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.0	Blue-Yellow/Green	—	3.1 x 1.4 x 0.5	2.4 x 0.6	6.95	5.95	4.95
210761	ValuePro	UC-16401 (Samsung)	16 x 4	5 x 8	4-bit or 8-bit	6.5 @ 2.2	Black-None	1, 6	3.4 x 2.4 x 0.3	2.4 x 1.0	8.95	7.95	6.95
2167488	ValuePro	HC164001YFHLYBℛ	16 x 4	5 x 7	8-bit	5.0 @ 0.35	Black-Yellow/Green	—	3.2 x 2.3 x 0.5	2.4 x 1.0	8.95	7.95	6.95
2138775	Hantronix	HDM20216H-3-S00Fℛ	20 x 2	5 x 7	8-bit	5.0 @ 2.2	Black-None	8	4.5 x 1.5 x 0.4	3.3 x 0.7	4.95	3.95	2.95
2115469	Hantronix	HDM20216H-3-VH0P	20 x 2	5 x 7	8-bit	5.0 @ 2.2	Yellow-None	—	4.6 x 1.5 x 0.4	3.3 x 0.7	5.95	4.95	3.95
2155372	ValuePro	HC20216NYU-LYV0ℛ	20 x 2	5 x 8	8-bit	5.0 @ 2.0	Black-Yellow/Green	7	5.7 x 1.7 x 0.6	4.8 x 0.9	6.95	5.95	4.95
2118635	Newhaven	NHD-0220DZ-FL-YBWℛ	20 x 2	5 x 8	4-bit or 8-bit	5.0 @ 1.5	Blue-Yellow/Green	3, 4	4.6 x 1.5 x 0.4	3.3 x 0.7	14.49	13.49	11.95
2158207	Tianma	TM204JAA7ℛ	20 x 4	5 x 8	8-bit	5.0 @ 1.4	Blue-Black/White	—	3.0x 1.8 x 0.4	2.3 x 0.0	12.95	10.95	9.95
2118643	Newhaven	NHD-0420DZ-FL-YBWℛ	20 x 4	5 x 8	4-bit or 8-bit	5.0 @ 3.5	Blue-Yellow/Green	3, 5	3.9 x 2.4 x 0.6	3.0 x 1.0	21.95	20.49	18.95
2179340	Vikay	2240STGYBN	40 x2	5 x 8	4-bit or 8-bit	5.0 @ 2.5	Grey-None	—	7.1 x 1.3 x 0.5	6.4 x 1.1	19.95	17.95	14.49
2179331	Vikay	2440STLDYGTNℛ	40 x4	5 x 8	4-bit or 8-bit	5.0 @ 2.5	Black-Yellow/Green	—	7.5 x 2.1 x 0.5	6.6 x 1.6	22.95	19.95	15.95
2155428	Hantronix	HDM3224-1-WJIFℛ	320 x 240	320 x 240	8-bit	7.0 @ 10.0	Grey-White/CCFL	2	6.5 x 4.3 x 0.4	4.8 x 3.6	15.95	14.95	12.95

† **1.** Recommended power supply P/N 164101, pg 95   **2.** Dot Graphic LCD display   **3.** Recommended power supply P/N 252701, pg 94   **4.** Controller SPLC780D or equivalent   **5.** Controller SPLC780D-01 or equivalent   **6.** Control LSI HD44780 & column driver MSM5259 or equivalents   **7.** Controller SGA006   **8.** 14-pin connector installed

Thin-Film Transistor (TFT) Color LCD Modules

NEWHAVEN DISPLAY

- Transmissive TFT   • White LED backlight   • Wide operating temperature range: -20°C to +70°C
- **2190442:** Built-in controller; **2190451:** Built-in driver/no controller, 4-wire resistive touch panel

Part No.	Mfr. Part No.	Pixels	Input (V @ mA)	Size (Diagonal)	Module Size	1	5
2190442	NHD-1.8-128160TF-CTXI#ℛ	128 x 160	2.3-3.3 @ 25.5	1.8"	1.9"L x 1.4"W x 0.1"D	$14.95	$13.95
2190451	NHD-4.3-480272EF-ATXL#-Tℛ	480 x RGB x 272	3.0-3.6 @ 25.8	4.3"	2.6"L x 4.2"W x 0.2"D	37.95	35.95

2190442   **2190451**

4.3" Smart Touch TFT Display

EARTH LCD

This intelligent, all-on-one, touchscreen provides "ezLCD" technology to give you a flexible, highly functional, cost-effective alternative to buttons, switches, character modules, and STN displays.

- 4.3" color TFT LCD
- 4MB flash memory for storing fonts, bitmaps, and macros
- 500:1 contrast ratio   • Integrated 4-wire resistive touchscreen

Part No.	Mfr. Part No.	Resolution	1	5
2169897	EZLCD-304ℛ	480 x 272 pixels	$154.95	$144.95

Touch LCD Development Kit

EARTH LCD

This kit includes everything you need to develop your project right out of the box!

Includes: ezLCD-301 2.6" color touchscreen, ezLCD-30x-EDK board, two USB 2.0 to mini-USB cables, 3.7V lithium battery, standoffs, jumper shunts, and screwdriver

Part No.	Mfr. Part No.	Resolution	1	5
2169871	EZLCD-301-DKℛ	200 x 240 pixels	$199.95	$189.95

TFT Capacitive Touch Displays

NEWHAVEN DISPLAY

Bring all your colors to life with these high-resolution TFT touch panel displays from Newhaven. Incredible clairty and simple installation.

- Resolution: 800x480 pixels
- Input: 3.3V @ 85mA
- Diagonal size: 7.0"   • Module Size: 6.5"L x 3.9"W x 0.2"D
- Brightness: **2208438:** 280 cd/m²; **2208446:** 200 cd/m²

NEW MARKED IN PINK

2208438

Part No.	Mfr. Part No.	Description	1	5
2208438	NHD-7.0-800480EF-ATXL#-CTP	Capacitive TFT touchscreen ...	$109.95	$99.95
2208446	NHD-7.0-800480EF-ATXV#-CTP	MVA Capacitive TFT touchscreen ..	119.95	109.95

T1 & T1¾ LEDs & LED Mounting Hardware Kit (560 pcs.)

Includes: • 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 142 and labels
- 10 ea. standard-output LEDs (114673, 34657, 34606, 114681, 104248, 34690, 34711, 34673, 333497, 34761, 104256, 333551, 2006705, 333569, 2133552), pgs 20-22 and LED lens mount (14277), pg 19
- 100 ea. LEDs (202471), pg 20 & (2006730), pg 21
- 100 ea. LED mounting hardware (95513, 23077), pg 19
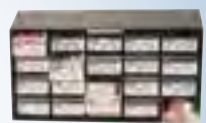
★ **Web Code: CKS**

Part No.	Description	Wt. (lbs.)	1	5
84996	560-piece LEDs & LED hardware kit	5.0	$59.95	$53.95

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS | NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Optos

JAMECO ValuePro *Most Popular Components with Extra Spaces for Customized Expansion*

★ **Web Code: CKS**

- Each kit includes drawer component cabinet (319600) and 20 plastic dividers (319611)
- Each kit has the most popular components in its category
- Each kit is designed for your specific expansion
- Includes identification labels for each drawer, with reorder numbers to replenish stock and blank adhesive labels for empty drawers
- Free standing or wall mountable cabinet • Weight of kits: 4.6 to 6.4 lbs.
- Cabinet size: 6.0"L x 15.0"W x 7.9"H • Drawer size: 5.5"L x 2.7"W x 1.5"H
- 20 clear plastic drawers (319601) and 20 dividers (319611) • Cabinet: ABS-black (P/N 319600 see pg 142)

20-drawer Component cabinet with every kit!

85059 (Switch Kit)   81841 (Capacitor Kit)

7400 Series IC Kit
Includes 350 pcs. (30 Types) 7400 (TTL) Integrated Circuits

20 each	10 each	10 each	10 each	10 each	10 each
7400	7402	7416	7432	74121	74157
7404	7405	7417	7438	74123	74160
7406	7408	7420	7447	74132	74174
7407	7410	7427	7485	74151	74175
7474	7414	7430	74107	74153	74279

Part No.	Description	1	5
84953	350 pcs. 7400 series IC kit	$219.95	$199.95

74LS00 Series IC Kit
Includes 420 pcs. (35 Types) 74LS00 (TTL) Integrated Circuits

20 each	10 each	10 each	10 each	10 each
74LS00	74LS05	74LS73	74LS125	74LS193
74LS02	74LS10	74LS75	74LS139	74LS240
74LS04	74LS11	74LS85	74LS151	74LS244
74LS08	74LS14	74LS86	74LS155	74LS245
74LS32	74LS20	74LS90	74LS157	74LS273
74LS74	74LS30	74LS93	74LS174	74LS373
74LS138	74LS47	74LS123	74LS175	74LS374

84961	420 pcs. 74LS series IC kit	$169.95	$153.95
130391	Refill for 84961 (420 pcs.)	154.95	139.95

CD4000 Series (CMOS) IC Kit
Includes 300 pcs. (25 Types) CD 4000 Series Integrated Circuits

20 each	10 each	10 each	10 each	10 each
CD4001	CD4015	CD4024	CD4051	CD4093
CD4011	CD4016	CD4027	CD4069	CD4511
CD4013	CD4017	CD4040	CD4070	CD4538
CD4049	CD4020	CD4046	CD4071	CD4543
CD4066	CD4023	CD4050	CD4081	CD4584

84970	300 pcs. CD 4000 series IC kit	$89.95	$79.95
130403	Refill for 84970 (300 pcs.)	74.95	67.95

Linear IC Kit
Includes 480 pcs. (40 Types)

20 each	10 each	10 each	10 each	10 each
LM317T	TL072CP	LM337T	LF412CN	ULN2803A
LM324N	TL074CN	LF353N	LMC555CN	NE5532N
LM339N	TL082CP	LF356N	LM556N	7808T
LM741CN	TL084CN	LM358N	LM723CN	78L12CZ
LM555CN	MAX232CPE	LM386N-1	LM1458N	7815T
7805T	LM301N	LM386N-3	DS1488N	7905T
78L05CZ	LM308N	LM393N	DS1489N	7912CT
7812T	LM311N	LF411CN	ULN2003AN	7915CT

84988	480 pcs. (40 types) Linear IC kit	$199.95	$179.95
130411	Refill for 84988 (480 pcs.)	184.95	169.95

Transistor Kit *Includes 560 pcs. (20 Types)*

100 each	10 each	10 each	10 each	10 each
2N3904	2N2222A	2N4401	MJE3055T	TIP31A
2N3906	2N2907A	2N4403	MPSA18	TIP32A
PN2222	2N3053	2N5401	MPSA06	TIP102
PN2907	2N3055	2N7000	MPSA13	TIP120

82595	560 pcs. Transistor kit	$69.95	$59.95
130374	Refill for 82595 (560 pcs.)	54.95	49.95

Diode and Rectifier Kit
Includes 420 pcs. (15 Types) Zener Switching & Silicon Rectifiers

100 each	10 each	10 each	10 each	10 each
1N914	1N270	1N4007	1N4735A	1N5408
1N4004	1N751A	1N4150	1N4742A	C106B1
1N4148	1N4001	1N4733A	1N5404	KBP04M

82587	420 pcs. Diode kit	$44.95	$39.95
130366	Refill for 82587 (420 pcs.)	29.95	26.95

1/8-Watt Carbon Film Resistor Kit
Includes 540 pcs. (30 Values) 1/8-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2.2kΩ	6.8kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.7kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	3.3kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.5kΩ	5.1kΩ	27kΩ	10MΩ	—	—
330Ω	2kΩ	5.6kΩ	33kΩ	—	—	—

Part No.	Description	1	5
108329	540 pcs. 1/8-watt Resistor kit	$29.95	$26.95
108303	Refill for 108329 (540 pcs.) ℛ	14.95	13.49

1/4-Watt Carbon Film Resistor Kit
Includes 540 pcs. (30 Values) 1/4-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2kΩ	5.6kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.2kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	2.7kΩ	20kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.2kΩ	3.3kΩ	22kΩ	10MΩ	—	—
330Ω	1.5kΩ	5.1kΩ	33kΩ	—	—	—

81832	540 pcs. 1/4-watt Resistor kit	$29.95	$26.95
103166	Refill for 81832 (540 pcs.) ℛ	14.95	13.49

1/2-Watt Carbon Film Resistor Kit
Includes 540 pcs. (30 Values) 1/2-Watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	390Ω	2.2kΩ	6.8kΩ	47kΩ	100Ω	4.7kΩ
47Ω	470Ω	2.7kΩ	15kΩ	470kΩ	220Ω	10kΩ
150Ω	680Ω	3.3kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	1.5kΩ	5.1kΩ	27kΩ	10MΩ	—	—
330Ω	2kΩ	5.6kΩ	33kΩ	—	—	—

107879	540 pcs. 1/2-watt Resistor kit	$39.95	$34.95
107853	Refill for 107879 (540 pcs.) ℛ	24.95	22.49

1/2-Watt Single Turn Cermet Pot Kit
Includes 100 pcs. (8 Types)

10 each	10 each	10 each	10 each	10 each
63P500Ω	63P2kΩ	63P10kΩ	63P50kΩ	63P500kΩ
63P1kΩ	63P5kΩ	63P20kΩ	63P100kΩ	63P1MΩ

85032	100 pcs. single turn Pot kit	$69.95	$63.95

3/4-Watt 15 Turn Cermet Pot Kit
Includes 100 pcs. (10 Values) 3/4-Watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
43P500Ω	43P2kΩ	43P10kΩ	43P50kΩ	43P500kΩ
43P1KΩ	43P5kΩ	43P20kΩ	43P100kΩ	43P1MΩ

85041	100 pcs. 15 turn Pot kit	$79.95	$71.95

LEDs & Mounting Hardware Kit
Includes 560 pcs. (20 Types) LEDs and Mounting Hardware

100 each	10 each	10 each	10 each	10 each
23077	34673	104248	114681	114673
95513	14277	34690	104256	2006705
202471	34606	34711	333497	333569
2006730	333551	34657	34761	2133552

84996	560 pcs. LED & Hardware kit	$59.95	$53.95

Switch Kit
Includes 150 pcs. (15 Types) Pushbutton, DIP & Toggle Switches

10 each	10 each	10 each	10 each	10 each
21910	21979	26358	26649	139012
75854	26315	26367	2076228	153252
21952	26332	26623	109171	38820

85059	150 pcs. Switch kit	$99.95	$89.95

Spacers & Electronic Hardware Kit
Includes 2700 pcs. (27 Types) Spacer, Hex Nuts
Flat, Tooth & Lock Washers and Slotted PH Screws

100 each Spacers	100 each Hex Nuts	100 each Flat	100 each Internal Tooth	100 each Split Lock	100 each PH Machine
—	2-56	#2	#2	#2	2-56 x 1/4, 1/2
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/4, 1/2

Part No.	Description	1	5
108433	2700 pcs. Electronic Hardware kit	$79.95	$71.95

Monolithic Ceramic Capacitor Kit
Includes 280 pcs. (10 Types) 50V ±20% Monolithic Ceramic Caps.

100 each	10 each	10 each	10 each	10 each
.01µF	22pF	.001µF	.22µF	.47µF
.1µF	100pF	.047µF	.33µF	1µF

171475	280 pcs. Monolithic Cap. kit	$34.95	$31.95
171483	Refill for 171475 (280 pcs.)	19.95	17.95

Radial Electrolytic Capacitor Kit
Includes 240 pcs. (15 Values) Radial Electrolytic Capacitors

20 each	20 each	20 each	10 each	10 each
1µF @ 50V	3.3µF @ 50V	22µF @ 50V	100µF @ 50V	1000µF @ 16V
1µF @ 100V	4.7µF @ 50V	47µF @ 50V	220µF @ 25V	2200µF @ 25V
2µF @ 50V	10µF @ 50V	100µF @ 25V	470µF @ 25V	3300µF @ 25V

81867	240 pcs. Radial Capacitor kit	$44.95	$39.95
130331	Refill for 81867 (240 pcs.)	29.95	24.95

Axial Capacitor Kit
Includes 140 pcs. (10 Values) ±20% Axial Electrolytic Capacitors

20 each	20 each	10 each	10 each	10 each
1µF @ 50V	4.7µF @ 50V	47µF @ 50V	220µF @ 50V	1000µF @ 25V
2.2µF @ 50V	10µF @ 50V	100µF @ 50V	470µF @ 50V	2200µF @ 16V

81875	140 pcs. Axial Capacitor kit	$44.95	$39.95
130340	Refill for 81875 (140 pcs.)	29.95	26.95

Ceramic Disc Capacitor Kit
Includes 520 pcs. (10 Values) 50V Ceramic Disc Capacitors

100 each	100 each	20 each	20 each	20 each
.01µF	.047µF	10pF	47pF	470pF
.022µF	.1µF	22pF	100pF	.001µF

81859	520 pcs. Ceramic Capacitor kit	$39.95	$34.95
130232	Refill for 81859 (520 pcs.)	24.95	22.49

Mylar Capacitor Kit
Includes 280 pcs. (10 Values) 100V ±10% Mylar Capacitors

100 each	10 each	10 each	10 each	10 each
.01µF	.001µF	.022µF	.047µF	.47µF
.1µF	.0068µF	.033µF	.22µF	1µF

81883	280 pcs. Mylar Capacitor kit	$39.95	$34.95
130358	Refill for 81883 (280 pcs.)	24.95	22.49

Dipped Tantalum Capacitor Kit
Includes 150 pcs. (15 Values) ±20% Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1µF @ 35V	1µF @ 25V	3.3µF @ 25V	10µF @ 16V	22µF @ 16V
.22µF @ 35V	1µF @ 16V	4.7µF @ 35V	10µF @ 35V	33µF @ 25V
.47µF @ 25V	2.2µF @ 16V	6.8µF @ 35V	15µF @ 25V	47µF @ 25V

81841	150 pcs. Tantalum Capacitor kit	$69.95	$62.95
130260	Refill for 81841 (150 pcs.)	54.95	49.95

Passives

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

135271 – LEDs | **18201 – LED Displays** | **2125616 – LED Indicators** | **18294 – Toy Motors** | **149649 – Fans** | **2133739 – Connectors** | **319600 – Cabinet**

JAMECO ValuePro • Opened grab bags are not returnable • Use our 20-drawer cabinet w/ labels to store your components, P/N 319600

★Web Code: GBS

Passives

Shaded in brown on this page you will find Jameco's nine (9) most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213).

Capacitors, Inductors/Chokes and Fuses

Part No.	Product No.	Description	Wt. (lbs.)	1	10
17857	GB100	200 assorted ceramic disc capacitors	0.2	$6.95	$5.95
135335	GB100LB	900 assorted ceramic disc capacitors	1.0	16.95	14.95
17881	GB101	100 assorted mylar capacitors	0.3	7.95	6.95
135458	GB101LB	400 assorted mylar capacitors	1.0	19.95	17.95
17911	GB102	100 assorted electrolytic capacitors radial, axial, snap, 85°C, 105°C, ±20%	0.5	9.95	8.95
135394	GB102LB	300 assorted electrolytic capacitors	1.0	19.95	17.95
17945	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	9.95	8.95
2081342	GB200	100 assorted axial chokes & inductors	2.0	9.95	8.95
2179243	GB211	100 assorted fuses (5mm x 20, 1¼", 1/4") AGC/MDL, GMA/GMD, Various AMPs, 250V	0.3	9.95	8.95

Bumpers and Rubber Feet Assortment

Part No.	Product No.	Description		1	10
2081385	GB201	100 assorted bumpers & adhesive rubber feet		$8.95	$7.95

Resistor and Resistor Network Assortments

Part No.	Product No.	Description	Wt. (lbs.)	1	10
134130	GB115	200 asst. 1/8, 1/4, 1/2 resistors (1,5&10%)	0.8	$6.95	$5.95
18104	GB116	200 assorted 1/4W resistors (1,5&10%)	0.1	6.95	5.95
135351	GB116LB	2000 assorted 1/4W resistors (1,5,8&10%)	0.8	29.95	26.95
18139	GB117	200 assorted 1/2W resistors (5&10%)	0.2	6.95	5.95
18163	GB118	200 asst. 1/8W resistor networks (2,5&8%) (8 & 10-pin SIP packages, 22Ω-150k)	0.3	4.95	4.49

Trimmers, Single and Multi-Turn Potentiometers

Part No.	Product No.	Description	Wt. (lbs.)	1	10
18075	GB113	100 assorted 1/10W to 1/5W trimmer pots (100Ω to 2MΩ values)	0.1	$9.95	$8.95
18278	GB174	100 asst. 1/4W to 3/4W linear, single & multi-turn pots (100Ω to 5MΩ assorted values)	0.2	12.95	11.49
135407	GB174LB	300 asst. 1/4W to 3/4W linear pots (above)	1.0	29.95	26.95

LEDs, Displays, Indicators, Photocells & Solar Cells

Part No.	Product No.	Description	Wt. (lbs.)	1	10
18041	GB110	100 assorted LEDs & lamps (T1 & T1¾ round and rectangular)	0.1	$7.95	$6.95
18323	GB186	500 assorted LEDs & lamps (#18041)	0.3	29.95	26.95
135271	GB110LB	1800 assorted LEDs & lamps (#18041)	1.0	69.95	62.95
18201	GB162	50 assorted sizes of colored displays (7-seg, LCD, dot-matrix, bar graph)	0.5	14.95	13.49
2125616	GB205	30 assorted LED indicators, panel mount, LED, neon, incandescent, various volts/colors	0.8	9.95	8.95
169578	GB125	50 assorted values photocells	0.2	14.95	13.49
2113666	SC-GRAB	40 assorted size solar cells	0.1	9.95	8.95

Schwab's Electronic Component School Selection

Jameco's nine (9) most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer Loren Schwab recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319600, see photo above) for storage.

$89.55 Value

Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs,1/4W resistors, switches, spacers and standoffs.

What's your suggestion?

Part No.	Product No.	Description	Wt. (lbs.)	1	10
163213	GB197	Schwab's School Selection	2.2	$69.95	$63.95
319600	6897CAB	20 drawer component cabinet	3.5	19.95	17.95

Integrated Circuits and IC Sockets

Part No.	Product No.	Description	Wt. (lbs.)	1	10
17996	GB108	100 assorted TTL series DIP & SMD (SOIC) (74, 74ALS, 74HC, 74HCT, 74F, 74LS, 74S)	0.2	$9.95	$8.95
135280	GB108LB	400 assorted TTL series DIP & SMD (SOIC)	1.0	29.95	26.95
18024	GB109	100 assorted linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.1	12.95	11.49
145242	GB109LB	300 assorted linear series (NSC, Motorola, TI)	0.5	29.95	26.95
114964	GB171	50 assorted Micros, RAMs, SRAMs, PROMs, EPROMs, CPU, DRAMMs (DIP)	0.2	12.95	11.49
105620	GB120	100 assorted sockets (DIP, PGA, SIMM, SIP)	0.3	6.95	5.95
135386	GB120LB	300 assorted sockets (DIP, PGA, SIMM, SIP)	1.0	14.95	12.95

Diodes, Transistors and Crystals/Oscillators

Part No.	Product No.	Description	Wt. (lbs.)	1	10
17961	GB107	200 assorted diodes (zener, switching, silicon rectifiers)	0.1	$9.95	$8.95
18171	GB127	100 asst. transistors (NPN, PNP, power)	0.1	9.95	7.95
114446	GB150	100 assorted crystals/oscillators	0.2	7.95	6.95

Switches, Toy Motors, Gears and Fans

Part No.	Product No.	Description	Wt. (lbs.)	1	10
2133472	GB206	50 assorted DIP switches (2-12 position, low profile, slide, rocker, R/A, standard)	0.2	$8.95	$7.95
18235	GB165	50 assorted switches (toggle, pushbutton, rocker, slide, DIP)	0.4	9.95	8.95
135378	GB165LB	150 assorted #18235 switches	2.0	22.95	19.95
18294	GB182	5 assorted toy DC motors (1.5–24V)	0.5	7.95	6.95
1810072	GB210	10 pcs. gear set, plastic, black T10, 20, 30, 40, 50 with bushings	0.2	7.95	6.95
2134310	GB208	5 assorted 5VDC fans (sizes & cfm vary)	3.5	7.95	6.95
2134328	GB209	5 assorted 12VDC fans (sizes & cfm vary)	3.5	10.95	9.95
149649	GB193	5 assorted AC & DC fans (photo above) (5, 12, 24, 48VDC & 115VAC fans)	4.5	14.95	12.95

Spacer, Standoff and Terminal Assortments

Part No.	Product No.	Description	Wt. (lbs.)	1	10
55968	GB140	100 assorted 4-40, 6-32, 8-32 round/hex, aluminum/steel, spacers/standoffs	0.3	$14.95	$12.95
135423	GB140LB	300 assorted same as P/N 55968	1.0	29.95	26.95
2082118	GB203	100 assorted solderless terminals spade, ring, faston, butt, crimp types	0.2	7.95	6.95

Screw Hardware & Drill Bit Assortments

• Plastic   • Steel   • Brass   • Aluminum

Part No.	Product No.	Description	Wt. (lbs.)	1	10
171571	GB149	500 assorted types of screws, #2, 4, 6, 8 nuts, washers & lock washers	1.0	$6.95	$5.95
171635	GB149LB	1400 asst. same as P/N 171571	3.2	15.95	14.95
2082038	GB202	20 assorted drill bits 8 sizes: .021" (#75) thru .125" (#1/8)	0.3	19.95	18.49

Molex/Tyco Style Headers and Connectors

Part No.	Product No.	Description	Wt. (lbs.)	1	10
2095138	GB204	100 asst. .079/.100 male headers (straight, right angle, single and double row)	0.3	$9.95	$8.95
2133739	GB207	100 asst. IDC, CMNL, Mini-Fit JR/SR, power connectors, .100, .118, .165 (straight & R/A)	0.4	9.95	8.95

Surprise Electronic Component Grab Bag

Axial and radial electrolytics, monolithic, dipped silver mica and mylar capacitors, ICs, connectors, sockets, headers, thermistors, LEDs, resistor networks, diodes, standoffs, transistors, oscillators/resonators, inductors, crystals, resistors, pots and switches (hundreds).

Best Seller!

Part No.	Product No.	Description		1	10
135263	GB191LB	Hundreds of asst. pieces electronic components		$19.95	$17.95

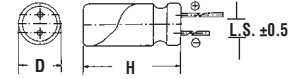**★**For additional products, availability and specifications visit *Jameco.com* and enter the Web Code in the product search box

Passives

JAMECO ValuePro Aluminum Radial-Lead Polarized Electrolytic Capacitors (±20%) 85°C

★ Web Code: CCE

Leakage Current (20°C)	After 1 min.	0.03CV or 4µA, whichever is greater
	After 2 min.	0.01CV or 3µA, whichever is greater

L.S. ±0.5

† **CROSS REFERENCES: Nichicon:** LB/VX/USA/SR/SA/UVR; **Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

✳ Order in multiples of 10   ✳ Order in multiples of 10

Part No.	Cross Ref. No.†	Value (µF)	Volt	Size (mm)* D x H x L.S.	1	10	100	500
2151970	R0.1/50	0.1	50	5 x 11 x 5	✳	$.09	$.07	$.05
609043	UVR2A0R1MDD℞	0.1	100	5 x 11 x 2	✳	.12	.09	.07
330465	RA0.47/50℞	0.47	50	5 x 11 x 2	✳	.09	.07	.05
330431	RA1/25℞	1	25	5 x 11 x 2	✳	.09	.07	.05
94161	5R1/50℞	1	50	4 x 5 x 1.5	✳	.09	.07	.05
29831	R1/50	1	50	5 x 11 x 2	✳	.08	.06	.04
29833	R1/50℞	1	50	5 x 11 x 2	✳	.09	.07	.05
115423	R1/63℞	1	63	5 x 11 x 2	✳	.09	.07	.05
93729	R2.2/50	2.2	50	5 x 11 x 2	✳	.09	.07	.05
93731	R2.2/50℞	2.2	50	5 x 11 x 2	✳	.12	.09	.07
135184	R3.3/50	3.3	50	5 x 11 x 2	✳	.10	.08	.06
31000	R4.7/50	4.7	50	5 x 11 x 2	✳	.10	.08	.06
31002	R4.7/50℞	4.7	50	5 x 11 x 2	✳	.12	.09	.07
198839	R10J/16℞	10	16	5 x 11 x 2	✳	.09	.07	.05
94212	5R10/25℞	10	25	4 x 5 x 1.5	✳	.15	.12	.09
1946367	R10/25ATR	10	25	5 x 11 x 5	✳	.15	.12	.09
94221	5R10/35℞	10	35	5 x 5 x 2	✳	.15	.12	.09
29891	R10/50	10	50	5 x 11 x 2	✳	.12	.09	.07
29893	R10/50℞	10	50	5 x 11 x 2	✳	.15	.12	.09
330609	RA10/250℞	10	250	10 x 16 x 5	.39	.29	.25	.19
1946295	R22/16	22	16	5 x 12 x 5	✳	.06	.04	.03
93739	R22/50℞	22	50	5 x 11 x 2	✳	.12	.09	.07
2125587	R33/25	33	25	6.3 x 5.6 x 2.5	✳	.09	.07	.05
93747	R33/50℞	33	50	6.3 x 11 x 2.5	✳	.17	.15	.12
93746	R33/50RA	33	50	8 x 13 x 3.5	.09	.07	.05	.04
1946244	R47/16TR	47	16	5 x 12 x 5	✳	.09	.08	.07
198952	R47J/35℞	47	35	5 x 11 x 2	✳	.15	.12	.09
31114	R47/50	47	50	6 x 11 x 2.5	✳	.12	.09	.07
31116	R47/50℞	47	50	6.3 x 11 x 2.5	✳	.15	.12	.09
330617	RA47/250℞	47	250	13 x 25 x 5	.55	.49	.45	.39
330676	RA47/450℞	47	450	18 x 30 x 7.5	1.49	1.25	1.09	.99
1946261	R68/16TR	68	16	5 x 11 x 5	✳	.09	.07	.05
330422	RA100/16℞	100	16	5 x 11 x 2	✳	.12	.09	.07
94432	7R100/16℞	100	16	6 x 7 x 2.5	✳	.12	.09	.07
94289	5R100/16℞	100	16	6.5 x 5 x 2.5	✳	.12	.09	.07
93761	R100/25	100	25	6 x 11 x 2.5	✳	.10	.08	.06
198970	R100J/35℞	100	35	6.3 x 11 x 2.5	✳	.12	.09	.07
29962	R100/50	100	50	8 x 11 x 3.5	✳	.12	.09	.07
29964	R100/50℞	100	50	8 x 11.5 x 3.5	✳	.15	.12	.09
330529	RA100/100℞	100	100	10 x 17 x 5	$.29	$.25	$.19	$.15
330580	RA100/160S℞	100	160	16 x 25 x 7.5	.55	.49	.45	.39
330625	RA100/250℞	100	250	16 x 31.5 x 7.5	.99	.89	.79	.65
330684	RA100/450℞	100	450	22 x 42.5 x 10.5	2.25	1.95	1.75	1.49
198872	R220J/16℞	220	16	6.3 x 11 x 2.5	✳	.15	.12	.09
30496	R220/25	220	25	8 x 11 x 3.5	✳	.15	.12	.09
93772	R220/35℞	220	35	8 x 12 x 3.5	✳	.17	.15	.12
93778	R220/50	220	50	10 x 12 x 5	✳	.19	.17	.15
609115	UVR2C221MHD℞	220	160	16 x 30 x 7.5	.75	.65	.59	.55
93796	R330/25	330	25	10 x 12 x 5	✳	.17	.15	.12
198978	R330J/35℞	330	35	10 x 12.5 x 5	✳	.19	.15	.12
330473	RA330/50℞	330	50	10 x 16 x 5	.39	.35	.29	.25
93809	R470/16	470	16	8 x 11 x 3.5	✳	.13	.10	.08
93811	R470/16℞	470	16	8 x 11.5 x 3.5	✳	.19	.15	.12
31183	R470/25℞	470	25	10 x 12 x 3.5	.35	.25	.19	.15
31181	R470/25	470	25	10 x 12 x 5	.29	.25	.19	.15
93817	R470/35	470	35	10 x 16 x 5	.29	.22	.17	.14
93819	R470/35℞	470	35	10 x 16 x 5	.35	.29	.25	.19
93827	R470/50℞	470	50	10 x 20 x 5	.45	.39	.35	.29
158465	R470B63	470	63	13 x 20 x 5	.59	.55	.45	.39
199102	R470J/100℞	470	100	16 x 25 x 7.5	.55	.45	.39	.35
330456	RA680/25S	680	25	8 x 16 x 3.5	.29	.25	.19	.15
30015	R1000/16	1000	16	10 x 16 x 5	.25	.19	.15	.12
30017	R1000/16℞	1000	16	10 x 16 x 5	.35	.25	.19	.15
93833	R1000/25	1000	25	10 x 20 x 5	.39	.29	.25	.19
93835	R1000/25℞	1000	25	10 x 20 x 5	.45	.39	.29	.25
93841	R1000/50	1000	50	13.6 x 25.8 x 5.5	.65	.59	.55	.49
199111	R1000J/100℞	1000	100	18 x 41 x 7.5	1.49	1.35	1.09	.99
30533	R2200/25	2200	25	12 x 25 x 5	.65	.59	.55	.49
30535	R2200/25℞	2200	25	13 x 21 x 5	.69	.65	.59	.55
198986	R2200J/35℞	2200	35	16 x 25 x 7.5	.69	.55	.45	.39
608956	UVR1H222MHD℞	2200	50	16 x 30 x 7.5	.99	.85	.65	.55
198898	R3300J/16℞	3300	16	13 x 21 x 5	.85	.69	.49	.45
30893	R3300/25℞	3300	25	13 x 29 x 5	.89	.79	.69	.65
93850	R4700/25	4700	25	16 x 31 x 7.5	.95	.79	.65	.55
199006	R4700J/35℞	4700	35	18 x 35 x 7.5	1.49	1.25	1.09	.95
163301	R4700/50	4700	50	22 x 42 x 10	1.45	1.29	1.19	1.09
198935	R6800J/25℞	6800	25	18 x 35.5 x 7.5	1.09	.99	.85	.65

Note: Above case sizes may have ± tolerances   **"TR" at the end of Cross Ref. numbers are Tape and Reel**   *Capacitor dimensions and styles may vary

JAMECO ValuePro Snap-Mount & Screw-Terminal Large-Can Aluminum Electrolytic Capacitors (±20%)

• Operating temp. range: (SMG, SNA & ECO) -40°C to +85°C; (SNB) -40°C to +105°C
• Can-Top safety vent

★ Web Code: EBG   115378   2120022

Part No.	Cross Ref. No.	✱Mfr.	Value (µF)	Volt	Size (mm)* D x H x L.S.	1	10	100
2188684	SMG470/200	NIP	470	200	22 x 41 x 10	$2.95	$2.75	$2.49
203263	SNB470/400/5	JVP	470	450	35 x 49 x 9	4.95	4.49	3.95
115378	SNB4700/35	JVP	4700	35	23 x 40 x 9	1.49	1.25	1.09
331901	SNB6800/50℞	JVP	6800	50	25.2 x 42.4 x 9	4.49	3.95	3.59
157738	SNB10000/50℞	JVP	10000	50	35 x 40 x 12	$4.95	$4.49	$3.95
331716	SNA15000/25℞	JVP	15000	25	25 x 41 x 9	2.95	2.75	2.49
2151152	ECO-S1HP153DA℞	PAN	15000	50	30 x 50 x 10	4.95	4.49	3.95
2120022	SNB33000/50†	NIP	33000	50	35 x 117 x 13	6.95	5.95	4.95

*Capacitor dimensions and styles may vary   † Screw terminals

✱ JVP = Jameco ValuePro   NIP = Nippon   PAN = Panasonic

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.
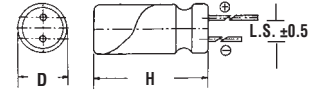
JAMECO ValuePro · **Aluminum Radial-Lead Polarized Electrolytic Capacitors (±20%) 105°C** · ★ *Web Code: HAA*

105°C – HT Type General Purpose

Leakage Current	After 1 min.	0.03CV or 4μA, whichever is greater
(20°C)	After 2 min.	0.01CV or 3μA, whichever is greater

† **CROSS REFERENCES: Nichicon:** LB/VX/USA/SR/SA/UPW/UVZ/UHE; **Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

✱ Order in multiples of 10

Part No.	Cross Ref. No.†	*Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	1	10	100	500
609545	UVZ1H0R1MDD𝓡	JVP	0.1	50	5 x 11 x 2	✱	$.12	$.09	$.07
330772	RB1/50𝓡	JVP	1	50	5 x 11 x 2		.12	.09	.07
158491	R1B100𝓡	JVP	1	100	5 x 11 x 2		.17	.15	.12
609561	UVZ1H2R2MDD𝓡	JVP	2.2	50	5 x 11.5 x 2	✱	.12	.09	.07
330781	RB4.7/50𝓡	JVP	4.7	50	5 x 11 x 2	✱	.12	.09	.07
330692	RB10/16𝓡	JVP	10	16	5 x 11 x 2	✱	.09	.07	.05
330799	RB10/50	JVP	10	50	5 x 11 x 2		.15	.12	.09
607849	UPW1H100MDD𝓡	JVP	10	50	5 x 11 x 2		.17	.15	.12
609641	UVZ1J100MDD𝓡	JVP	10	63	5 x 11 x 2		.19	.17	.15
610036	UVZ2W100MHD𝓡	JVP	10	450	13 x 21 x 5	.69	.65	.55	.45
158327	R22B35𝓡	JVP	22	35	5 x 11 x 2		.12	.09	.07
93737	RB22/50TR	JVP	22	50	5.3 x 12 x 5		.15	.12	.09
609650	UVZ1J220MDD𝓡	JVP	22	63	5 x 11 x 2	.29	.25	.19	.15
609975	UVZ2E220MHD𝓡	JVP	22	250	13 x 20 x 5	.35	.29	.25	.19
608374	UPW2A330MPD6𝓡	JVP	33	100	8 x 15 x 3.5		.15	.12	.09
609502	UVZ1C470MDD𝓡	JVP	47	16	5 x 11 x 2		.10	.07	.05
1945428	R47/35	JVP	47	35	6.3 x 11 x 2		.12	.09	.07
330820	RB47/50𝓡	JVP	47	50	6.3 x 11 x 2.5		.15	.12	.09
2100241	RB47/100	JVP	47	100	10 x 16 x 5	.35	.29	.25	.19
610010	UVZ2E470MHD𝓡	JVP	47	250	13 x 25 x 5	.59	.55	.49	.45
1946228	RB100/10	JVP	100	10	5 x 11 x 3.5		.07	.05	.04
330740	RB100/25𝓡	JVP	100	25	6.3 x 11 x 2.5		.13	.10	.08
158394	R100B50𝓡	JVP	100	50	8 x 11.5 x 3.5		.17	.15	.12
608032	UPL1J101MHH6𝓡	JVP	100	63	13 x 15 x 5		.15	.12	.09
2135443	R100-M	NIC	100	100	13 x 20 x 5		.15	.12	.09
2159648	RB700/160	JVP	100	160	16 x 36 x 6	.35	.29	.25	.19
609967	UVZ2E101MHD𝓡	JVP	100	250	16 x 31 x 7.5	1.09	.99	.79	.59
2158426	RC120/400𝓡	JVP	120	400	16 x 35 x 7	1.49	1.25	1.09	.99
608340	ECA1JFQ151L𝓡	JVP	150	63	10 x 21 x 5		.07	.05	.04
606934	EEUFC1J181𝓡	JVP	180	63	10 x 20 x 5		.03	.02	.015
158263	R220B25𝓡	JVP	220	25	8 x 11 x 3.5		.17	.15	.12
93770	R220/35𝓡	JVP	220	35	10 x 16 x 5		.17	.15	.12

*Capacitor dimensions and styles may vary

✱ Order in multiples of 10

Part No.	Cross Ref. No.†	*Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	1	10	100	500
606820	UHE1H221MPD𝓡	JVP	220	50	10 x 16 x 5	$.39	$.35	$.25	$.19
609721	UVZ1V331MPD𝓡	JVP	330	35	10 x 16 x 5	✱	.19	.15	.12
158203	R470B16	JVP	470	16	8 x 11 x 3.5	✱	.19	.15	.12
2126459	R470/16TR	JVP	470	16	10 x 13 x 5		.15	.12	.09
158289	R470B25	JVP	470	25	10 x 16 x 5	.29	.25	.19	.15
606740	UHE1E471MPD6𝓡	JVP	470	25	10 x 17 x 5	.29	.25	.19	.15
606854	UHE1H471MPD𝓡	JVP	470	50	13 x 20 x 5	.45	.35	.29	.22
2133430	EEU-FN1C681L	PAN	680	16	8 x 21 x 2.5	.29	.25	.19	.15
2129781	CETMQ1V681M1321BB𝓡	SAM	680	35	13 x 21 x 4	.49	.45	.39	.35
606871	UHE1H681MHD𝓡	JVP	680	50	13 x 28 x 5	.69	.65	.59	.55
607355	UPWDI821MPD𝓡	JVP	820	6.3	14.5 x 8.2 x 3.5	.29	.25	.19	.15
606432	UHE0J102MPD𝓡	JVP	1000	6.3	8 x 14 x 3.5	✱	.19	.15	.12
607363	UPW1A102MPD𝓡	JVP	1000	10	8 x 20 x 3.5	.49	.45	.39	.35
330722	RB1000/16𝓡	JVP	1000	16	10 x 16 x 5	.39	.35	.25	.19
158298	R1000B25𝓡	JVP	1000	25	10 x 17 x 5	.49	.39	.35	.29
158378	R1000B35𝓡	JVP	1000	35	13 x 21 x 5	.59	.55	.39	.29
609553	UVZ1H102MHD𝓡	JVP	1000	50	13 x 25 x 5	.59	.49	.39	.35
606627	UHE1C122MPD𝓡	JVP	1200	16	10 x 24 x 5	.35	.29	.25	.19
607232	UPW0J152MPD𝓡	JVP	1500	6.3	10 x 20 x 5	.29	.25	.19	.15
607398	UPW1A152MPD6𝓡	JVP	1500	10	10 x 20 x 5	.35	.29	.25	.19
607742	UPW1E152MHD6𝓡	JVP	1500	25	12.5 x 25 x 5	.49	.45	.39	.35
607873	UPW1H152MHD𝓡	JVP	1500	50	16 x 30 x 7.5	.75	.69	.65	.59
606467	UHE0J182MHD𝓡	JVP	1800	6.3	10 x 20 x 5	.35	.25	.19	.15
607751	UPW1E182MHD𝓡	JVP	1800	25	13 x 25 x 5	.75	.69	.59	.45
609342	UVZ0J222MPD𝓡	JVP	2200	6.3	10 x 20 x 5	.39	.35	.29	.25
606563	UHE1A222MPD𝓡	JVP	2200	10	10 x 21 x 5	.45	.39	.35	.25
609705	UVZ1V222MHD𝓡	JVP	2200	35	16 x 26 x 7.5	.69	.65	.49	.39
158432	R2200B50𝓡	JVP	2200	50	16 x 30 x 7.5	.75	.69	.65	.59
608278	UPW1V332MHD𝓡	JVP	3300	35	18 x 33 x 7.5	1.25	1.09	.89	.69
609588	UVZ1H332MHD𝓡	JVP	3300	50	18 x 36 x 7.5	1.35	1.19	1.09	.99
607814	UPW1E472MHD𝓡	JVP	4700	25	18 x 39 x 7.5	1.09	.99	.79	.59
2125641	R5600B16𝓡	NIC	5600	16	16 x 40 x 7.5	.29	.25	.19	.15
609473	UVZ1C103MHD𝓡	JVP	10000	16	18 x 41 x 7.5	1.09	.99	.89	.79

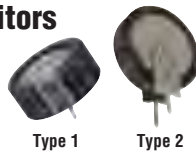*Capacitor dimensions and styles may vary

Passives

JAMECO ValuePro · ## Memory Back-Up Capacitors

Applications: • Back-up on CMOS microcomputers, static RAM, DTSs (digital tuning systems) • Memory back-up of remote controllers

Features: • Voltage: 5.5VDC, 8VDC • Small size vs. capacitance

★ *Web Code: SAB*

Type 1   Type 2

Part No.	Cross Ref. No.	Type	Value (F)	Volts	Dia. x Thick x Pin (mm)	1	10	100
2082409	MBC.047/8	1	0.047	8	13.3 x 7.7 x 5.9	$1.09	$.95	$.85
142949	MBC.22/5.5	1	0.22	5.5	13.2 x 6.8 x 5.3	2.25	1.95	1.75
142957	MBC1.0/5.5	1	1.0	5.5	19.8 x 7.5 x 5.3	3.49	3.09	2.85
227811	S5R5V105	2	1.0	5.5	18.8 x 5.1 x 5.8	3.49	3.09	2.85
2162599	F5R5U155	1	1.5	5.5	20.5 x 7.1 x 5.5	3.25	2.95	2.75

JAMECO ValuePro · ## SMD Capacitor Assortment Kits · ★ *Web Code: CKS*

Now you can have all your SMD capacitor values clearly sorted and organized. 24 different values and 50 pieces of each value.

• Capacitance range: 1pF to 1μF • Volt. range: 10V to 50V

Part No.	Description	1	5
2169416	0603 size SMD capacitor kit𝓡	$19.95	$17.95
2169408	0805 size SMD capacitor kit𝓡	29.95	26.95

JAMECO ValuePro · ## Ceramic Trimmer Capacitors

5mm (.197")

• Working voltage: 200VDC • Withstand volt.: 400VDC • Turning torque: 35~200 g-cm • Q Factor @ 1MHz: >200 • Operating temp. range: -30°C ~ +85°C • Insulation resis.: >10MΩ min. @ 250VDC

★ *Web Code: PBZ* ✱ Order in multiples of 10

Part No.	Capacitance Range (pF)	Color Code	1	10	100	500
2178822	2.5–5.0	NIL	✱	$.15	$.12	$.09
136979	9.0–50.0	Green	.89	.79	.69	.59

8mm (.315")

• Working voltage: 250VDC • Withstand volt.: 550VDC • Turning torque: 40~200 g-cm • Q Factor @ 1MHz: >300 • Operating temperature range: -55°C ~ +85°C • Insulation resis.: 10MΩ min. @ 250VDC

Part No.	Capacitance Range (pF)	Color Code	1	10	100	1000
134818	3.5–13.0	Ivory	$.59	$.49	$.39	$.29
32839	4.0–34.0𝓡	Yellow	1.19	1.09	.99	.89
32855	6.0–70𝓡	Nil	1.19	1.09	.99	.89
94449	8.5-100	Purple	1.19	1.09	.99	.89
94466	8.5–120𝓡	Nil	1.49	1.25	1.09	.95

★ *Suppression Capacitors — Enter Web Code SNC*

✱ **JVP** = Jameco ValuePro | **NIC** = Nichicon | **PAN** = Panasonic | **SAM** = Samsung

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

JAMECO ValuePro — Aluminum Axial-Lead Electrolytic Capacitors (±20%) 85°C

★ Web Code: GAA

Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2µA, whichever is greater

❋ Order in multiples 10

Part No.	Product No.	Value (µF)	Voltage	Size (mm)* D x H	Pricing 1	10	100	1000
10868	A1/50℞	1	50V	5 x 12	$.29	$.25	$.19	$.15
10866	A1/50	1	50V	5 x 13	❋	.19	.15	.12
93569	A2.2/50	2.2	50V	6 x 13	❋	.19	.15	.12
11076	A4.7/50	4.7	50V	6 x 13	❋	.19	.15	.12
1946199	A10/16	10	16V	4 x 7	❋	.12	.09	.07
10882	A10/50	10	50V	6 x 12	❋	.19	.15	.12
331425	AB10/450℞	10	450V	13 x 25	.55	.49	.45	.39
199268	A22J/25℞	22	25V	6 x 12.5	❋	.19	.15	.12
331433	AB22/450℞	22	450V	16 x 26.5	1.75	1.49	1.25	1.09
135319	A47/25	47	25V	8 x 16	.29	.25	.19	.15
11105	A47/50	47	50V	8 x 16	.45	.35	.29	.25
199188	A100J/16℞	100	16V	6 x 12.5	❋	.19	.15	.12
93551	A100/35	100	35V	8 x 16	.29	.25	.19	.15
10913	A100/50℞	100	50V	8 x 16	.35	.29	.25	.19
10911	A100/50	100	50V	8 x 20	.29	.25	.19	.15
331417	AB100/250℞	100	250V	18 x 39	1.29	.99	.79	.69
2150811	A220/16	220	16V	10 x 21	❋	.15	.12	.09

Part No.	Product No.	Value (µF)	Voltage	Size (mm)* D x H	Pricing 1	10	100	1000
11019	A220/50℞	220	50V	10 x 17	$.55	$.45	$.35	$.29
199217	A470J/16℞	470	16V	8 x 17	.39	.35	.29	.25
199381	A470J/35℞	470	35V	10 x 21	.45	.39	.35	.29
11123	A470/50℞	470	50V	13 x 22	.85	.69	.59	.49
10956	A1000/25℞	1000	25V	10 x 20	.69	.59	.49	.45
10954	A1000/25	1000	25V	13 x 31	.59	.49	.39	.35
93649	A1000/35	1000	35V	13 x 26	.89	.75	.65	.55
147256	A1000/50	1000	50V	16 x 31	.95	.75	.59	.49
11033	A2200/16	2200	16V	16 x 40	.75	.65	.55	.45
93658	A2200/35℞	2200	35V	16 x 30	1.09	.99	.79	.69
199479	A2200J/50℞	2200	50V	18 x 33	1.45	1.25	1.09	.99
2144972	A3300/16	3300	16V	16 x 26	.39	.29	.25	.19
199487	A3300J/50℞	3300	50V	22 x 43	1.95	1.75	1.49	1.25
93673	A4700/25	4700	25V	18 x 36	1.75	1.49	1.25	1.09
158650	A4700A25	4700	25V	22 x 40	.99	.89	.79	.69
158811	A4700A50℞	4700	50V	22 x 40	1.95	1.75	1.49	1.25
93681	A10000/16	10000	16V	22 x 51	1.75	1.49	1.25	1.09

*Capacitor dimensions and styles may vary

JAMECO ValuePro — Resin Dipped Solid Tantalum Capacitors (±10%) 85°C

★ Web Code: VAE

- Operating temperature range: -55°C to +85°C (+125°C with derating)
- Exceptional temperature stability
- Flame retardant coating
- Rated voltage DC: ≤ +85°C
- Moisture-resistant
- Designed for entertainment and commercial equipment
- Low leakage current
- † P/N 2178769: ±20%

❋ Order in multiples 10

Part No.	Product No.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
545561	TAP104K035SCS℞	.10	35	4.0 x 6.0 x 2.5	$.35	$.29	$.25	$.19
33488	TM.1℞	.10	35	4.5 x 7.0 x 2.5	.35	.29	.25	.19
33486	TM.1/35	.10	35	4.5 x 7.0 x 5.2	.32	.25	.19	.15
33507	TM.22/35	.22	35	4.5 x 7.0 x 5.0	.39	.32	.25	.19
33523	TM.33/35	.33	35	4.5 x 7.0 x 2.5	.32	.25	.19	.15
33525	TM.33℞	.33	35	4.5 x 7.0 x 2.5	.35	.29	.25	.19
33533	TM.47℞	.47	35	4.5 x 7.0 x 2.5	.39	.32	.25	.19
33531	TM.47/35	.47	35	4.5 x 7.0 x 2.7	.35	.29	.25	.19
545588	TAP105K025SCS℞	1	25	4.3 x 7.0 x 2.5	.39	.32	.25	.19
154860	TM1/25	1	25	4.5 x 7.0 x 4.7	.32	.25	.19	.15
545596	TAP105K035SCS℞	1	35	4.3 x 7.0 x 2.5	.39	.32	.25	.19
33662	TM1/35	1	35	4.5 x 7.0 x 2.7	.35	.29	.22	.17
545609	TAP105K050SCS℞	1	50	4.7 x 7.5 x 2.5	.65	.59	.49	.35
94001	TM2.2/16	2.2	16	4.5 x 7.0 x 4.7	.32	.25	.19	.15
33736	TM2.2/35℞	2.2	35	5.0 x 8.0 x 2.5	.39	.35	.29	.25
545932	TAP335K016SCS℞	3.3	16	4.3 x 7.0 x 2.5	.29	.25	.19	.15
545941	TAP335K025SCS℞	3.3	25	4.3 x 7.0 x 2.5	.45	.35	.29	.22
94035	TM4.7/16	4.7	16	5.0 x 8.0 x 2.5	.35	.29	.22	.17
546071	TAP475K025SCS℞	4.7	25	4.3 x 7.0 x 2.5	.55	.45	.35	.29
546089	TAP475K035SCS℞	4.7	35	4.7 x 7.5 x 2.5	.59	.49	.39	.32
33806	TM4.7/35	4.7	35	5.5 x 9.5 x 2.5	.49	.39	.32	.25
546185	TAP685K025SCS℞	6.8	25	4.7 x 7.5 x 2.5	.35	.29	.25	.19

Part No.	Product No.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing 1	10	100	500
33873	TM6.8/35	6.8	35	6.5 x 9.0 x 4.7	$.45	$.35	$.29	$.22
545625	TAP106K010SCS℞	10	10	4.7 x 7.5 x 2.5	.45	.39	.35	.29
94060	TM10/16	10	16	4.6 x 7.5 x 3.2	.49	.39	.32	.25
94062	TM10/16℞	10	16	5.0 x 8.0 x 2.5	.55	.45	.35	.29
852393	TAP106K016SCS℞	10	16	5.0 x 12.0 x 2.5	.49	.45	.39	.35
545633	TAP106K020SCS℞	10	20	5.4 x 8.0 x 2.5	.45	.35	.29	.25
545641	TAP106K025SCS℞	10	25	5.4 x 8.0 x 2.5	.55	.45	.35	.29
94080	TM10/25℞	10	25	5.5 x 9.5 x 2.5	.45	.39	.35	.29
94078	TM10/25	10	25	5.5 x 9.5 x 2.8	.59	.49	.39	.35
545650	TAP106K035SCS℞	10	35	5.4 x 8.0 x 2.5	1.15	.95	.79	.65
33689	TM10/35	10	35	6.5 x 11.0 x 4.7	.99	.89	.75	.65
33719	TM15/25	15	25	4.5 x 8.0 x 2.5	.79	.65	.49	.39
33751	TM22/6.3	22	6.3	4.7 x 7.5 x 2.5	❋	.09	.07	.06
545852	TAP226K016SCS℞	22	16	5.4 x 8.0 x 2.5	.65	.59	.55	.49
94094	TM22/16	22	16	5.5 x 9.5 x 4.1	.55	.45	.35	.29
33785	TM33/25	33	25	8.5 x 13.0 x 4.7	1.49	1.25	1.19	1.09
94123	TM47/16	47	16	5.2 x 8.2 x 2.0	1.09	.99	.89	.79
546118	TAP476K016SCS℞	47	16	6.0 x 9.4 x 2.5	1.25	1.09	.99	.89
33822	TM47	47	25	9.5 x 16.5 x 2.5	1.59	1.35	1.15	.99
597450	TAP107K016CCS℞	100	16	7.0 x 11.0 x 2.5	2.25	1.95	1.75	1.49
545684	TAP107K020CCS℞	100	20	8.2 x 12.5 x 2.5	2.75	2.49	2.25	2.09
2178769	TAP157M016CCS†	150	16	7.5 x 10.7 x 4.5	1.25	1.09	.99	.89

*Capacitor dimensions and styles may vary   Note: Above case sizes may have ± tolerances

JAMECO ValuePro — Axial Leaded Ceramic Capacitors (±5 & ±10%)

★ Web Code: ACC

50, 100 and 200 Volt, NPO and X7R Temperature Coefficient
- Operating temperature range: -55°C to +125°C

❋ Order in multiples 10

Part No.	Product No.	⦿Mfr.	Value	Volt (V)	Temp Co-eff.	Tol.	Pricing 1	10	100
546265	SA102A101JAA	JVP	100pF	200	NPO	5	❋	$.15	$.12
1069763	SA101C222KAA	AVX	2200pF	100	X7R	10	❋	.19	.17

Part No.	Product No.	⦿Mfr.	Value	Volt (V)	Temp Co-eff.	Tol.	Pricing 1	10	100
546290	P10R103K5	JVP	0.01µF	50	X7R	10	❋	$.15	$.12
536542	P20R104K5℞	JVP	0.1µF	50	X7R	10	.39	.35	.29

⦿ AVX = AVX Corp. | JVP = Jameco ValuePro

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Ceramic Disc Capacitors (±5, ±10 or ±20%) 85°C

JAMECO ValuePro ★ **Web Code: HBW**

25, 50, 500 and 1000 Volt, Z5U Temperature Coefficient
- Dielectric withstanding voltage: 2.5 times rated volt. for not < 1 sec.
- Operating temp. range: +10°C to +85°C
- Capacitance change over temp. range: +22% to -56%

✳ Order in multiples of 10

Part No.	Product No.	⊛Mfr.	Value	Volt (V)	Tol.	Dia. (mm)	1	10	100	1000	5000
332291	CD3.3/1000	JVP	3.3pF	1000	20	5	✳	$.12	$.09	$.07	$.05
15333	DC10	JVP	10pF	50	20	5	✳	.09	.06	.05	.03
332312	CD10/1000	JVP	10pF	1000	20	6	✳	.09	.06	.05	.03
332322	CD20/1000𝓡	JVP	20pF	1000	20	5	✳	.09	.06	.05	.03
15405	DC22	JVP	22pF	50	20	6	✳	.09	.06	.05	.03
15407	DC22𝓡	JVP	22pF	50	20	6	✳	.09	.06	.05	.03
332217	CD33/50𝓡	JVP	33pF	50	20	5	✳	.09	.06	.05	.03
1947010	DC33TR	JVP	33pF	100	10	5	✳	.09	.06	.05	.03
1947028	DC33ATR	JVP	33pF	500	20	5	✳	.09	.06	.05	.03
15512	DC47𝓡	JVP	47pF	50	20	5	✳	.10	.08	.06	.04
1947036	DC47TR	JVP	47pF	500	5	6	✳	.12	.09	.07	.05
15552	DC68	JVP	68pF	50	5	8	✳	.08	.06	.04	.025
15341	DC100	JVP	100pF	50	20	5	✳	.09	.06	.05	.03
1947044	DC100TR	JVP	100pF	100	10	8	✳	.12	.09	.07	.05
2162741	DC100/500	JVP	100pF	500	20	18	✳	.09	.06	.05	.03
332363	CD120/1000	JVP	120pF	1000	20	5	✳	.09	.06	.05	.03
1947087	DC150ATR	JVP	150pF	100	5	5	✳	.09	.06	.05	.03
15413	DC220	JVP	220pF	50	20	5	✳	.09	.06	.05	.03
1947132	DC220TR	JVP	220pF	50	5	8	✳	.07	.04	.03	.02
2162767	DC220/1000	JVP	220pF	1000	10	7	✳	.09	.06	.05	.03
1947301	DC330TR	JVP	330pF	100	20	5	✳	.12	.09	.07	.05
15528	DC470	JVP	470pF	50	20	5	✳	.09	.06	.05	.03
1947319	DC470TR	JVP	470pF	100	20	5	✳	.08	.06	.04	.025
2162732	DC680	JVP	680pF	1000	10	9	✳	.09	.06	.05	.03
2162759	DC820	JVP	820pF	1000	20	7	✳	.09	.06	.05	.03
15190	DC.001	JVP	.001µF	50	20	6	✳	.12	.09	.07	.06
15192	DC.001𝓡	JVP	.001µF	50	20	6	✳	.15	.12	.09	.07

Part No.	Product No.	⊛Mfr.	Value	Volt (V)	Tol.	Dia. (mm)	1	10	100	1000	5000
1947394	DC.001ATR	JVP	.001µF	500	20	4	✳	$.12	$.09	$.07	$.05
1947415	DC.001BTR	JVP	.001µF	500	10	7	✳	.12	.09	.07	.05
332436	CD1000/1000𝓡	JVP	.001µF	1000	20	5	✳	.12	.09	.07	.05
1947327	DC.0022TR	JVP	.0022µF	25	20	4	✳	.07	.04	.03	.02
1947386	DC.0022ATR	JVP	.0022µF	500	20	7	✳	.09	.06	.05	.03
332443	CD2200/1000	JVP	.0022µF	1000	20	6	✳	.15	.12	.09	.07
1947407	DC.0033	JVP	.0033µF	500	20	9	✳	.15	.12	.09	.07
2159883	DC.0033/1000	JVP	.0033µF	1000	20	7	✳	.09	.06	.05	.03
15211	DC.0047	JVP	.0047µF	50	20	8	✳	.09	.06	.05	.03
1947335	DC.0047TR	JVP	.0047µF	100	20	6	✳	.09	.06	.05	.03
15229	DC.01	JVP	.01µF	50	20	6	✳	.09	.06	.05	.03
15231	DC.01𝓡	JVP	.01µF	50	20	6	✳	.10	.08	.06	.04
97375	DC.01/1K20	JVP	.01µF	1000	20	6	✳	.19	.15	.12	.09
97377	DC.01/1K20𝓡	JVP	.01µF	1000	20	8	.25	.19	.15	.12	.10
1936898	S103M47Z5UN63K0𝓡	VSH	.01µF	1000	20	10	✳	.19	.15	.12	.09
332487	CD20000/1000𝓡	JVP	.02µF	1000	20	16	.55	.45	.35	.29	.25
15245	DC.022	JVP	.022µF	50	20	8	✳	.10	.08	.06	.04
1947351	DC.047B	JVP	.047µF	25	20	7	✳	.09	.06	.05	.03
15253	DC.047	JVP	.047µF	50	20	8	✳	.12	.09	.07	.05
332507	CD50000/1000	JVP	.05µF	1000	20	16	.49	.45	.39	.35	.29
151116	DC.1/25	JVP	.1µF	25	20	6	✳	.13	.11	.09	.07
151118	DC.1/25𝓡	JVP	.1µF	25	20	6	✳	.15	.12	.09	.07
2146302	DC.1-5MM	JVP	.1µF	50	20	5	✳	.15	.12	.09	.07
15270	DC.1	JVP	.1µF	50	20	8	✳	.19	.15	.12	.09
15272	DC.1𝓡	JVP	.1µF	50	20	8	.29	.25	.19	.15	.12
2146311	SC45YV1H104Z	JVP	.1µF	50	20	11	✳	.19	.15	.12	.09
332516	CD100000/1000𝓡	JVP	.1µF	1000	20	21	.59	.49	.39	.35	.29

TR at the end of Product Number are Tape and Reel

Monolithic Radial Ceramic Capacitors (±5, ±10 or ±20%)

JAMECO ValuePro ★ **Web Code: JBZ**

Applications:
- Data processing
- Communications engineering

NPO (COG) Series (±5%)

★ **Web Code: JBW**

- Operating temp. range: -55°C to +125°C

Order in multiples of 10

Part No.	Product No.	⊛Mfr.	Value	Volt. (V)	Size (mm)* W x T x H x L.S.	10	100	500	1000
2159816	B37986N5102K1	JVP	1nF	63	4.7 x 1.7 x 6.1 x 2.6	$.09	$.07	$.05	$.04
332523	COG10/100	JVP	10pF	100	4.0 x 2.0 x 3.2 x 5.1	.19	.12	.08	.07
332541	COG22/100𝓡	JVP	22pF	100	3.6 x 2.3 x 3.6 x 2.5	.19	.12	.08	.07
332567	COG47/100𝓡	JVP	47pF	100	3.8 x 2.0 x 3.3 x 2.5	.19	.12	.08	.07

X7R Series (±10%)

★ **Web Code: JBX**

- Operating temp. range: -55°C to +125°C

✳ Order in multiples of 10

Part No.	Product No.	⊛Mfr.	Value	Volt. (V)	Size (mm)* W x T x H x L.S.	1	10	100	500	1000
332583	MOC100/100𝓡	JVP	100pF	100	5.0x5.0x3.0x2.5	✳	$.19	$.12	$.08	$.07
332612	MOC470/100𝓡	JVP	470pF	100	5.0x5.0x3.0x2.5	✳	.19	.12	.08	.07
544825	SR151C102KAA	JVP	1000pF	100	3.8x2.5x3.8x2.5	✳	.19	.12	.08	.07
544833	SR151C103KAA	JVP	.01µF	100	3.8x2.5x3.8x2.5	✳	.25	.15	.09	.08
597281	SR211C103KAA	JVP	.01µF	100	3.8x2.5x3.8x5.1	✳	.25	.15	.09	.08
332647	MOC10000/100𝓡	JVP	.01µF	100	5.0x5.0x3.0x2.5	✳	.25	.15	.09	.08
332655	MOC22000/100𝓡	JVP	.022µF	100	5.0x5.0x3.0x2.5	✳	.25	.15	.09	.08
544905	SR211C333KAA𝓡	JVP	.033µF	100	3.8x2.5x3.8x5.1	✳	.25	.15	.09	.08
544913	SR211C473KAA	JVP	.047µF	100	3.8x2.5x3.8x5.1	✳	.25	.15	.09	.08
544921	SR215C104KAA	JVP	.1µF	50	3.8x2.5x3.8x5.1	✳	.15	.12	.09	.07
544884	SR211C104KAA	JVP	.1µF	100	3.8x2.5x3.8x5.1	✳	.19	.12	.09	.07
332672	MOC100000/100𝓡	JVP	.1µF	100	5.0x5.0x3.0x2.5	✳	.25	.15	.12	.09
544948	SR305C474KAA	JVP	.47µF	50	3.8x2.5x3.8x5.1	.45	.39	.35	.29	.25

*Capacitor dimensions and styles may vary   Note: Above case sizes may have ± tolerances

Z5U Series (±20%)

- Operating temp. range: +10°C to +85°C

✳ Order in multiples of 10

Part No.	Product No.	⊛Mfr.	Value	Volt. (V)	Size (mm)* W x T x H x L.S.	1	10	100	500
81543	MD10𝓡	JVP	10pF	50	3.5 x 2 x 3 x 2.5	✳	$.12	$.09	$.07
81533	MD22	JVP	22pF	50	4 x 2 x 4 x 5.1	✳	.15	.12	.09
81525	MD100	JVP	100pF	50	3.3 x 2 x 3 x 2.5	✳	.15	.12	.09
81517	MD.001	JVP	.001µF	50	4.5 x 2 x 3 x 2.5	✳	.15	.12	.06
138202	MD.0047	JVP	.0047µF	50	3.3 x 2.2 x 5.5 x 4.6	✳	.15	.12	.09
25507	MD.01	JVP	.01µF	50	3.5 x 2 x 3 x 2.5	✳	.19	.15	.12
57621	MD.047	JVP	.047µF	50	2.5 x 2.5 x 3 x 2.5	✳	.19	.15	.10
25525	MD.1𝓡	JVP	.1µF	50	3.4 x 2.2 x 3.6 x 5.1	.25	.19	.15	
544868	SR205E104MAA𝓡	JVP	.1µF	50	4.0 x 2.6 x 3.8 x 2.5	✳	.19	.15	.10
2162581	C322C104M5U5CA	KMT	.1µF	50	4.5 x 2.3 x 3.6 x 5	✳	.15	.12	.09
25523	MD.1	JVP	.1µF	50	6 x 2 x 4 x 5.1	✳	.19	.15	.10
25540	MD.22	JVP	.22µF	50	6 x 2 x 4.5 x 5.1	✳	.25	.19	.15
544930	SR215E334MAA	JVP	.33µF	50	3.8 x 2.5 x 3.8 x 5.1	✳	.25	.19	.15
138237	MD.33	JVP	.33µF	50	6 x 2 x 8 x 5.1	✳	.25	.19	.15
25558	MD.47	JVP	.47µF	50	4.5 x 2.5 x 4.5 x 5.1	.39	.29	.19	.15
544956	SR305E105MAA	JVP	1µF	50	3.8 x 2.5 x 3.8 x 5.1	.49	.39	.29	.25
81509	MD1	JVP	1µF	50	6 x 3 x 7 x 5.1	.49	.39	.29	.25

*Capacitor dimensions and styles may vary   Note: Above case sizes may have ± tolerances

Ceramic Resonators

JAMECO ValuePro ★ **Web Code: CRS**

- Frequency accuracy: ±0.5% @ 25°C
- Extended temp. range: -20°C to +85°C
- Withstanding volt. (5 sec): 100V max.

Fig. 1   Fig. 2

Part No.	Product No.	Fig.	Frequency	Resistance	Pins	1	10	100
324727	TZTT-8.00MT𝓡	1	8.0MHz	25Ω	3	$.29	$.25	$.19
324672	TZTT-20.00MT𝓡	2	20.0MHz	30Ω	3	.49	.45	.39

* JVP = Jameco ValuePro | KMT = Kemet | VSH = Vishay

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Passives

JAMECO ValuePro — Dipped Silver Mica Capacitors (±5%)

Metallized Polyester Film
- Case type: DM15
- Lead space: 0.23"
- Operating temp. range: -55° to +125°C
- Tolerance: ±5%

★ **Web Code: HAB**

Part No.	Product No.	Value	Volt. (V)	Size (mm) L x T x H*	1	10	100	1000
15991	DM100	10pF	500	11 x 4 x 9	$.65	$.59	$.55	$.49
16037	DM220	22pF	500	11 x 4 x 9	.65	.59	.55	.49
16096	DM470	47pF	500	11 x 4 x 9	.69	.65	.59	.55
16002	DM101	100pF	500	11 x 4 x 9	.69	.65	.59	.55
16088	DM331	330pF	500	11 x 4 x 9	.85	.75	.69	.65
16109	DM471	470pF	500	11 x 4 x 9	.95	.85	.75	.69
531266	CD19FD681J03𝓡	680pF	500†	15 x 4 x 10	.75	.69	.65	.59
16011	DM102	1000pF	100	11 x 4 x 9	1.25	1.09	.99	.89

*Capacitor dimensions and styles may vary   †Manufacturer: Cornell Dubilie

Metallized Polyester Film Mylar Capacitors (±10%)

- Non-inductive construction
- Operating temp. range: -40°C to +85°C
- Dissipation factor: 0.01 (at 1kHz)
- Dielectric strength: 150% of rated volt. for 5 sec.

JAMECO ValuePro   ★ **Web Code: KWJ**   ✳ Order in multiples of 10

Part No.	Product No.	Value (µF)	Volt. (V)	Size (mm)* L x T x H x L.S.	1	10	100	1000
26833	MY.001	.001	100	7.0 x 3.0 x 7.0 x 5.1	✳	$.12	$.09	$.07
1946164	MY.0068	.0068	100	5.5 x 2.5 x 10 x 5.1	✳	.07	.05	.04
26884	MY.01	.01	100	6.0 x 3.0 x 7.0 x 5.1	✳	.17	.15	.12
207837	MY.018/50	.018	50	6.1 x 2.6 x 11.3 x 5.1	✳	.07	.05	.04
26905	MY.022	.022	100	6.0 x 3.0 x 10 x 5.1	✳	.17	.15	.12
26921	MY.033	.033	100	8.0 x 4.0 x 11 x 16.1	✳	.19	.17	.15
26930	MY.047	.047	100	8.0 x 4.0 x 12 x 5.1	✳	.19	.15	.12
1946172	MY.068	.068	100	8.6 x 4.0 x 11 x 7.6	✳	.15	.12	.09
26956	MY.1	.1	100	12.5 x 5.0 x 9.5 x 7.6	.29	.22	.17	.14
93921	MY.1/250	.1	250	12.5 x 5.5 x 10 x 10.1	.29	.22	.17	.14
920561	ECQ-V1H224JL𝓡	.22	50	6.8 x 3.6 x 5.0 x 4.7	✳	.15	.12	.09
26972	MY.22	.22	100	9.2 x 5.1 x 7.8 x 4.7	.29	.22	.17	.14
93964	MY.33/250	.33	250	18 x 7.0 x 12.5 x 15.2	.35	.29	.25	.19
26999	MY.47	.47	100	18 x 6.0 x 11.5 x 16.1	.49	.39	.35	.25
27001	MY1	1.0	100	18 x 7.5 x 14 x 15.2	.59	.49	.39	.35
93981	MY1/250	1.0	250	26 x 9.0 x 16 x 15.2	.59	.55	.49	.45
93999	MY2.2/250	2.2	250	26 x 9.0 x 16 x 27.9	.99	.79	.65	.55
2129852	MKT368𝓡†	6.8	100	27 x 10 x 18 x 22	.65	.59	.49	.35

*Capacitor dimensions and styles may vary   †Manufacturer: Vishay

★ **Motor Capacitors — Enter Web Code MCS**

★ **Memory Backup Capacitors — Enter Web Code SAB**

★ **Resin Molded Solid Tantalum Chip Capacitors — Enter Web Code WAE**

Panasonic® Metallized Film Capacitors (±5%)

V Series – Stacked
- Operating temp. range: -40°C to 85°C
- Low dissipation factor: 1% max.

★ **Web Code: KWJ**   Order in multiples of 10

Part No.	Mfr. Part No.	Value (µF)	Voltage	Dimensions (mm) W x H x Th. x L.S.	10	100	500
2159808	B32693A3152J20	.0015	2500	25.5 x 9.2 x 5.7 x 22	$.09	$.07	$.06
920464	ECQ-V1103JM𝓡	.01	100	7.5 x 7 x 3.2 x 5	.19	.15	.12
920510	ECQ-V1H104JL𝓡	.1	50	7.3 x 4 x 5 x 5	.19	.15	.12
920595	ECQ-V1H474JL𝓡	.47	50	7.3 x 6 x 7.3 x 5	.25	.22	.17

★ **SMD Aluminum Electrolytic Capacitors — Enter Web Code BCE**

★ **Multilayer Ceramic Chip Capacitors — Enter Web Code MCD**

JAMECO ValuePro — Radial Leaded Varistors

LA Equivalent Series
- Recognized as transient voltage surge suppressors
- Designed to be operated continuously across AC power lines
- No derating up to 85°C ambient
- UL/CSA/VDE approved

★ **Web Code: CEF**   ✳ Order in multiples of 10

Part No.	Product No.	Continuous Voltage V_{M(AC)}	Continuous Voltage V_{M(DC)}	Transient Energy Joules	Max. Clamping Voltage V_C	Max. Clamping Voltage I_{PK(A)}	1	10	100
34446	V130LA10A	130	175	38	340	50	$.35	$.29	$.25
34462	V130LA20A	130	175	70	340	100	.49	.45	.39
667059	V130LA20B𝓡	130	170	95	340	100	.55	.49	.45
1776054	V150LA10A	150	200	45	395	50	✳	.15	.12
667121	V150LA20A𝓡	150	200	108	395	100	.39	.35	.29
34471	V250LA20	250	330	72	650	50	.39	.35	.29

JAMECO ValuePro — NTC Thermistors

- Typical applications: temperature measurement/control/compensation; power supply fan control; PCB temperature monitoring
- Max. allowable power (@ 250°C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250°C)
- Resistance value allowable difference: 10%

★ **Web Code: RBG**

Part No.	Product No.	Resistance (Ω @ 25°C)	B Constant (25/50°C >10%)	Temp. Coef. @25°C (%/°C)	1	10	100
207521	NTC-101𝓡	100	3100	-3.5	$.55	$.49	$.45
207511	NTC-201	200	3100	-3.5	.49	.45	.39
207483	NTC-102𝓡	1k	3800	-4.3	.55	.49	.45
207466	NTC-302	3k	3900	-4.4	.59	.55	.45
207441	NTC-502𝓡	5k	3900	-4.4	.55	.49	.45
1871852	NTSA0XH103FE1B0𝓡	10k†	3434	-4.6	.99	.89	.79
207037	NTC-103𝓡	10k	4100	-4.6	.59	.55	.45
207002	NTC-503𝓡	50k	4200	-4.7	.55	.49	.45
206991	NTC-104𝓡	100k	4400	-4.9	.59	.55	.45
206982	NTC-1204𝓡	200k	4500	-5.1	.35	.29	.25

†Manufacturer: Murata

JAMECO ValuePro — Cadmium Sulfide (CdS) Photocells

★ **Web Code: CBG**

- Generate variable signal based on detection of light levels
- Operating temperature: -30°C to +70°C
- Soldering: 230°C for 3 seconds

Applications: Auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers

202438
202411 B / A
120299

Part No.	Cross Ref. No.	Rating Vp	Rating mW	Resistance (Ω) Dark	Resistance (Ω) Light	Size (inches) A	Size (inches) B	Lead Spacing (inches)	Lead Length (inches)	1	10	100	500
202366	CDS0029001	150	90	300k	4k	0.14	0.17	0.10	1.02	$1.49	$1.35	$1.19	$.95
120310	CDS0029004	150	90	2M	27k	0.14	0.17	0.10	1.44	1.49	1.35	1.19	.95
202391	CDS0029203	150	90	10M	5k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	.95
202382	CDS0029008	150	90	20M	10k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	.95
202403	CDS0018001	150	100	200k	3k	0.17	0.20	0.13	1.02	1.15	.99	.89	.79
202420	CDS0018003	150	100	500k	16k	0.17	0.20	0.13	1.02	1.15	.99	.89	.79
202411	CDS0018006	150	100	5M	80k	0.17	0.20	0.13	1.02	1.15	.99	.89	.79
120301	CDS0037001	200	150	300k	3k	0.25	0.29	0.20	1.02	1.49	1.35	1.19	.95
202438	CDS0037004	200	150	500k	15k	0.25	0.29	0.20	1.02	1.49	1.35	1.19	.95
120299	CDS0045001	350	400	300k	8k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.19
202454	CDS0045003	350	400	1M	12k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.19

𝓡 RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

JAMECO ValuePro — 1/8-Watt Carbon Film Resistor (±5%) Assortment

★ Web Code: DCR

Part No.	Cross Ref.	Values	Description (see chart, right)	1	5
108303	ASST1830ℛ	✗ #	10 ea. of 24 values marked by ✗ and 50 ea. of 6 values marked below by # (540 pcs.)	$14.95	$13.49
108329	CAB182R	See description	1/8 watt resistor component cabinet kit 30 values (540 pcs.) see page 32	29.95	26.95

1/8-Watt Resistor Assortment Values (Ohms)

10 ✗	150 ✗	330 ✗	680 ✗	2.0k ✗	3.3k ✗	5.6k ✗	15k ✗	33k ✗	470k ✗	
47 ✗	220 #	390 ✗	1.0k #	2.2k ✗	4.7k ✗	6.8k ✗	22k ✗	47k ✗	1.0M ✗	
100 #	270 ✗	470 ✗	1.5k ✗	2.7k ✗	5.1k ✗	10k #	27k ✗	100k #	10M ✗	

JAMECO ValuePro — 1/4-Watt Carbon Film Resistors (±5%) RoHS

★ Web Code: RCN

.021" lead dia. 1.08" .250" 1.08" .09" body dia.

★ Component Kits — Enter Web Code CKS

Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors (±5%)

To order: Use part number adjacent to ohms in chart below. Values may not be combined for quantity price breaks. *Values marked below also come in 10 packs.

Pricing per Resistor (Please order in increments of 10* or 100)				
Specify Part No. & Resistor Value	*10	100	1000	5000
(see Standard Resistor Values Chart below)	$.099	$.04	$.03	$.02

Assortment Pricing: 1/4-Watt Carbon Film Resistors (±5%)
Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	1	5	50
10720	ASST8-R	—	5 ea. 70 values (350 pcs.)ℛ	$10.95	$9.95	$8.95
2131039	K/RES-E12	■	10 ea. 61 values (610 pcs.)	11.95	10.95	9.95
103166	ASST30-R	● ✖	10 ea. 24 values marked ● and 50 ea. 6 values marked ✖ (540 pcs.)ℛ	14.95	13.49	11.95
10664	ASST27-R	▲	100 ea. 27 values marked (2,700 pcs.)ℛ	34.95	31.49	28.95
81832	—	—	1/4-watt resistor cabinet kit 30 values, see pg 32 (540 pcs.)	29.95	26.95	24.95

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
690216	2.2	690427 ■	15	690620 ▲✖■	100	690822 ▲●■	680	691024 ▲✖■	4.7k	691227 ▲●■	33k	691420 ■	220k	691622	1.5M
690224	2.4	690435	16	690638	110	690831	750	691032 ▲●	5.1k	691235	36k	691438	240k	691631	1.6M
690232	2.7	690443 ■	18	690646 ■	120	690849	820	691041 ▲●■	5.6k	691243	39k	691446 ■	270k	691892	1.8M
690241	3.0	690451	20	690654	130	690857	910	691059	6.2k	691251	43k	691454	300k	691649	2.0M
690259	3.3	690460 ■	22	690662 ▲●■	150	690865 ▲✖■	1.0k	691067 ■	6.8k	691260 ▲●■	47k	691462 ■	330k	691657	2.2M
690267	3.6	690478	24	690671	160	690873	1.1k	691075	7.5k	691278	51k	691471	360k	691665	2.4M
690275	3.9	690486 ■	27	690689 ■	180	690881 ●■	1.2k	691083 ■	8.2k	691286 ■	56k	691489 ■	390k	691673	2.7M
690283	4.3	690494	30	690697	200	690890	1.3k	691091	9.1k	691294	62k	691497	430k	691681	3.0M
690291	4.7	690507 ■	33	690700 ▲✖■	220	690902 ▲●■	1.5k	691104 ▲✖■	10k	691307 ■	68k	691500 ▲●■	470k	691690	3.3M
690304	5.1	690515	36	690718	240	690911	1.6k	691112	11k	691315	75k	691518	510k	691702	3.6M
690312	5.6	690523 ■	39	690726 ▲●■	270	690929 ■	1.8k	691121 ■	12k	691323 ■	82k	691526 ■	560k	691711	3.9M
690321	6.2	690531	43	690734	300	690937 ▲●	2.0k	691139	13k	691331	91k	691534	620k	691737	4.7M
690339	6.8	690540 ▲●■	47	690742 ▲●■	330	690945 ▲●■	2.2k	691147 ▲●■	15k	691340 ▲✖■	100k	691542 ■	680k	691745	5.1M
690347	7.5	690558	51	690751	360	690953	2.4k	691155	16k	691358	110k	691551	750k	691753	5.6M
690363	8.2	690566 ■	56	690769 ●■	390	690961 ▲●■	2.7k	691163 ■	18k	691366 ■	120k	691569 ■	820k	691761	6.2M
690371	9.1	690574	62	690777	430	690970	3.0k	691171 ●	20k	691374	130k	691577	910k	691770	6.8M
690380 ▲●■	10	690582 ■	68	690785 ▲●■	470	690988 ▲●■	3.3k	691180 ▲●■	22k	691382 ■	150k	691585 ▲●■	1.0M	691788	7.5M
690398	11	690591	75	690793	510	690996	3.6k	691198	24k	691391	160k	691593	1.1M	691796	8.2M
690401 ■	12	690603 ■	82	690806 ■	560	691008 ■	3.9k	691201 ■	27k	691403 ■	180k	691606	1.2M	691809	9.1M
690419	13	690611	91	690814	620	691016	4.3k	691219	30k	691411	200k	691614	1.3M	691817 ▲●	10M

JAMECO ValuePro — 1/2-Watt Carbon Film Resistors (±5%) RoHS

.028" lead dia. 1.18" .335" 1.18" .118" body dia.

★ Web Code: SCH

Single Resistor Value Pricing: 1/2-Watt Carbon Film Resistors (±5%)

To order: Use part number adjacent to ohms in chart below. Values may not be combined for quantity price breaks. *Values marked below also come in 10 packs.

Pricing Per Resistor (Please order in increments of 10* or 100)				
Specify Part No. & Resistor Value	*10	100	1000	5000
(see Standard Resistor Values Chart below)	$.099	$.05	$.04	$.03

Assortment Pricing: 1/2-Watt Carbon Film Resistors (±5%)
Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	1	5
107853	ASST1230ℛ	✗ #	10 ea. of 24 values marked by 7 and 50 ea. of 6 values marked by # (540 pcs.)	$24.95	$22.49
107845	ASST1227ℛ	✔	100 ea. of 27 values marked by 4 (2,700 pcs.)	39.95	36.95
107837	ASST1270ℛ	see description	5 ea. of 70 values (every other value from 10Ω - 5.6MΩ)(350 pcs.)	12.95	11.95
107879	CAB12R	see description	1/2-watt resistor component cabinet kit – 30 values (540 pcs.), see page 32	39.95	34.95

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659577	1.0	659868	16	661280	120	661440	560	661600 ✔✗	2.7k	661781	13k	661950	68k	662215	820k
659614	1.5	659884	20	661301 ✔✗	150	661466 ✔✗	680	661618	3.0k	661790 ✔✗	15k	661976	82k	662231 ✔✗	1.0M
659657	2.2	659892	22	661327	180	661474	750	661634 ✔✗	3.3k	661811	18k	661992 ✔#	100k	662240	1.1M
659673	2.7	661124	27	661335	200	661482	820	661642	3.6k	661829	20k	662004	110k	662282	1.6M
659737	4.7	661141	33	661343 ✔#	220	661503 ✔#	1.0k	661651	3.9k	661837 ✔✗	22k	662039	150k	662291	1.8M
659788	7.5	661183 ✔✗	47	661351	240	661520	1.2k	661677 ✔#	4.7k	661845	24k	662071	220k	662311	2.2M
659809	9.1	661191	51	661360 ✔✗	270	661538	1.3k	661685 ✔✗	5.1k	661853 ✗	27k	662098	270k	662320	2.4M
659817 ✔✗	10	661204	56	661378	300	661546 ✔✗	1.5k	661693 ✔✗	5.6k	661870 ✔✗	33k	662119	330k	662362	3.6M
659825	11	661221	68	661386 ✔✗	330	661554	1.6k	661714 ✗	6.8k	661896	39k	662127	360k	662397	4.7M
659833	12	661239	75	661407 ✗	390	661562	1.8k	661731	8.2k	661909	43k	662135	390k	662426	6.2M
659841	13	661247	82	661423 ✔✗	470	661571 ✔✗	2.0k	661757 ✔#	10k	661917 ✔✗	47k	662151 ✔✗	470k	662469	9.1M
659850	15	661263 ✔#	100	661431	510	661589 ✔✗	2.2k	661773	12k	661933	56k	662186	620k	662477 ✔✗	10M

*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS — NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Passives

Passives

5-Watt Wirewound Resistors (5%)

Horizontal Mount/Axial Lead
- Temperature range: -55°C to +155°C
- Moisture resistant
- High temperature stability
- Exceptionally small, sturdy and reliable

.354" .393" 0.03" Lead dia. 1.38" 0.87"
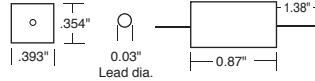
See resistor value chart on right	1	10	100	500
Pricing	$.49	$.45	$.39	$.35

Part No.		Ohms	Part No.		Ohms	Part No.		Ohms
659956	ℛ	0.10	660295	ℛ	5.0	660623	ℛ	100
659964	ℛ	0.15	660375	ℛ	10	660877	ℛ	1.0k
660050	ℛ	0.5	660447	ℛ	20	661010	ℛ	4.7k
660130	ℛ	1.0	660480	ℛ	27	661036	ℛ	10k
660201	ℛ	2.0	660551	ℛ	50			
660279	ℛ	4.0						

★ *2W/5W/9W/10W Wirewound Resistors — Enter Web Code TCH*

Dual-In-Line "DIP" Resistor Networks ±2% (G)

16-Pin (140mW/Resistor) ±2%
- Max. operating voltage: 100V
- Temp. coefficient: ±100ppm/°C
- Operating temperature: -55°C to +125°C
- Insulation res.: 10,000MΩ min.

★ *Web Code: GAP*

✱ Order in multiples of 10

Part No.	Ohms	Part No.	Ohms
108556	100	108599	1.0k
856095	120	87601	*1.0k
108564	220	108610	4.7k
108572	330	108628	10k
108581	470	855914	†100k

	1	10	100	500
Pricing	$.59	$.55	$.49	$.45
Orange Pricing	✱	.15	.12	.09

*Bussed †14-pin pkg.

125mW SIP Bussed Conformal Coated Resistor Network

★ *Web Code: WRN*

YAGEO / ℕℂℒ

Part No.	Pins	Ohms	Tol. (±%)
268032	6	10kℛ	2
97826	8	10k	2
97851	10	330	2
97869	10	470	2
97877	10	1.0k	2
97893	10	2.2k	2
24660	10	4.7k	2
24643	10	10k	2

✱ Order in multiples of 10

	1	10	100
Pricing	$.29	$.25	$.19
Orange	✱	.15	.12

Part No.	Pins	Ohms	Tol. (±%)
2077714	10	10k	5
2078080	10	10k	5
98095	10	100k	2

0805 (1/8W) Chip Resistor Assortment (±5%)

★ *Web Code: CKS*

144 Values, 50 pcs. each
- 7,200 pieces total
- Max. overload volt.: 200V
- Case size (2 cases): 10.5"L x 6.7"W x 1.7"T
- Operating temp.: 70°C
- Weight: 1.9 lbs.
- Size (mm): 2.0L x 1.25W x 0.5Thick

Includes: Case with labels

Resistance Value Chart:

2.2	12	91	510	3.0k	16k	75k	470k	2.7M
2.4	20	100	560	3.3k	18k	82k	510k	3.0M
2.7	22	120	620	3.6k	20k	91k	560k	3.3M
3.0	24	150	680	3.9k	22k	100k	620k	3.6M
3.3	27	160	750	4.3k	24k	120k	680k	3.9M
3.9	30	180	820	4.7k	27k	150k	750k	4.3M
4.3	33	200	910	5.1k	30k	160k	820k	4.7M
4.7	39	220	1.0k	5.6k	33k	180k	910k	5.1M
5.1	43	240	1.2k	6.2k	36k	200k	1.0M	5.8M
5.6	47	270	1.5k	6.8k	39k	240k	1.2M	6.2M
6.2	51	300	1.6k	7.5k	43k	270k	1.5M	6.8M
6.8	56	330	1.8k	8.2k	47k	300k	1.6M	7.5M
7.5	62	360	2.0k	9.1k	51k	330k	1.8M	8.2M
8.2	68	390	2.2k	10k	56k	360k	2.0M	9.1M
9.1	75	430	2.4k	12k	62k	390k	2.2M	10M
10	82	470	2.7k	15k	68k	430k	2.4M	

Part No.	Product No.	1	5	25
172806	16-500	$79.95	$69.95	$59.95

★ *SIP Resistor Networks — Enter Web Code WRN*

★ *1/4-Watt 1% Metal Film Resistors — Enter Web Code MFR*

1206 (1/4W) Chip Resistor Assortment (±1%)

★ *Web Code: CKS*

56 Values, 200 pcs. each; 11,200 pcs. Total
- Maximum working voltage: 200V
- Operating temp.: 70°C
- Temp. coefficient: ±100 ppm/°C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H
- Packaged 200 pc. strip

Value Chart (Ohms)

10	121	1.5k	20k	243k
12.1	150	2k	24.3k	301k
15	243	2.43k	30.1k	392k
20	243	3.01k	39.2k	499k
24.3	301	3.92k	49.9k	619k
30.1	392	4.99k	61.9k	750k
39.2	499	6.19k	75k	909k
49.9	619	7.5k	90.9k	1M
61.9	750	9.09k	100k	
75	909	10k	121k	
90.9	1k	12.1k	150k	
100	1.21k	15k	200k	

Part No.	Cross Ref. No.	1	5	25
156882	SMR1206SBℛ	$99.95	$89.95	$74.95

★ *RC Series 1% SMD Thick Film Resistors — Enter Web Code SMF*

★ *RC Series 5% SMD Thick Film Resistors — Enter Web Code THF*

Chokes

JAMECO ValuePro

★ *Web Code: WBG*

J.W. Miller Series Equivalents

✱ Order in multiples of 10

Part No.	Cross Ref. No.	Description	Inductance Value (µH) ±10%	1	10	100
372357	9230-20-VP	Phenolic core molded axial	1	$.59	$.49	$.39
372171	78F100J-VP	Conformal coated axial choke	10	✱	.19	.15
208194	CEC-101J	Conformal coated choke	100	✱	.19	.15
642492	5300-25ℛ	Conformal coated RF choke	100	.55	.39	.29
208240	CEC-102J	Conformal coated choke	1000	.35	.29	.25
642695	5800-102ℛ	High current axial RF choke	1000	.69	.55	.39
642724	5800-472ℛ	High current axial RF choke	4700	.69	.55	.39
642741	5800-103ℛ	High current axial RF choke	10000	.69	.55	.39
642927	5900-103ℛ	High current axial RF choke	10000	.99	.79	.59

High-Current Toroid Inductors

JAMECO ValuePro

J.W. Miller 2100 Series Value Equivalents
- Low radiation
- Low core loss
- Operating temperature: -55°C to +105°C

★ *Web Code: KBY*

| Part No.	Cross Ref.	Description	L(µH) @ 1kHz	Horizontal 1	Vertical 10	100
371549	2105-H	Horizontal	22	$1.35	$1.19	$1.09
371581	2109-H	Horizontal	47	1.35	1.19	1.09
371856	2112-Vℛ	Vertical	100	1.35	1.19	1.09
371872	2114-V	Vertical	150	1.35	1.19	1.09
387268	2316-V	Vertical	220	1.75	1.49	1.25
371952	2122-V	Vertical	680	1.35	1.19	1.09
371979	2124-V	Vertical	1000	1.35	1.19	1.09

Bourns® 2W 22mm 10-Turn Wirewound Precision Pots

JAMECO ValuePro

- Insulation resistance @ 500VDC: 1000MΩ (Bourns), 100MΩ (JVP)
- Operating temp. range: +1°C to +125°C (Bourns), -55°C to +125°C (JVP)
- Solder lug panel mount
- Bushings: **M**-metal; **P**-plastic

855818 2182611

★ *Web Code: JBE*

			Jameco ValuePro				Bourns®				
Ohms	Series	Power Rating	Part No.	M/P	1	10	100	Part No.	M/P	1	10	100
1k	3540S	2W @ 70°C	2177846 ℛ	M	$8.95	$7.95	$7.25	—	—	—	—	—
1k	3590S	2W @ 40°C	2177504 ℛ	M	8.95	7.95	7.25	771112 ℛ	P	10.95	9.95	8.95
5k	3540S	2W @ 70°C	2111880 ℛ	M	8.95	7.95	7.25	183548 ℛ	M	17.95	16.95	15.95
5k	3590S	2W @ 40°C	2177512 ℛ	M	8.95	7.95	7.25	—	—	—	—	—
5k	3590S	2W @ 40°C	2178161 ℛ	P	8.95	7.95	7.25	855818 ℛ	M	12.95	11.95	10.95
10k	3540S	2W @ 70°C	2177854 ℛ	M	8.95	7.95	7.25	183521	M	17.95	16.95	15.95
10k	3590S	2W @ 40°C	2177521 ℛ	M	8.95	7.95	7.25	771121 ℛ	M	12.95	11.95	10.95
10k	3590S	2W @ 40°C	1946535 ℛ	P	6.95	6.25	5.59	771155 ℛ	M	12.95	11.95	10.95
100k	3540S	2W @ 70°C	2177862 ℛ	M	8.95	7.95	7.25	2066716 ℛ	M	19.95	18.95	17.95
100k	3590S	2W @ 40°C	2177539 ℛ	M	8.95	7.95	7.25	771139 ℛ	P	12.95	11.95	10.95
			2182611	Additional panel mtg hardware (3/8" hex nuts & washer)			.79	.69	.59		

25W (1%) Wirewound Resistors
- Wound to maximize high pulse capability
- Chassis mount • Aluminum housing
- MIL 18546 and IEC 115 approved
- Insulation resistance: 10,000MΩ min.

Part No.	Mfr. Part No.	Ohms	1	10	100
2191293	HS25 100R 1%ℛ	100	$2.75	$2.49	$2.25
2191306	HS25 330R 1%ℛ	330	2.75	2.49	2.25
2191285	HS25 1K0 1%ℛ	1k	2.75	2.49	2.25
2191314	HS25 4K7 1%ℛ	4.7k	2.75	2.49	2.25
2191277	HS25 10K 1%ℛ	10k	2.75	2.49	2.25

Pocket Trim Potentiometer Adjustment Tool
- Glass-filled body
- Stainless steel blade

Part No.	Description	Size	1	10	100
153315	Trimmer toolℛ	5.2"L	$1.95	$1.75	$1.49

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Vertical Mount Trimmer

- 15mm thick • Tolerance:±20%
- Power rating: 200VAC – 1/2 watt; 350VDC – 1/4 watt
- Total rotation: 260° ±5° for 350VDC rated
  250° ±20° for 200VAC rated

Fig. 1 **Fig. 2**
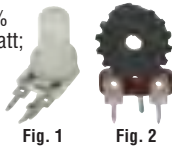
Part No.	Fig.	Ohms	Volt. Rating	1	10	100
2190611	1	100	200VAC𝓡 ...	$.65	$.55	$.45
2190629	1	1k	200VAC𝓡	.65	.55	.45
94693	2	1k	350VDC𝓡........	.55	.45	.39
35503	2	2.5k	350VDC𝓡........	.55	.45	.39
2190637	1	10k	200VAC𝓡........	.65	.55	.45
94714	2	10k	350VDC𝓡........	.55	.45	.39
94722	2	50k	350VDC𝓡........	.55	.45	.39
2190645	1	100k	200VAC𝓡........	.65	.55	.45
94731	2	100k	350VDC𝓡........	.55	.45	.39

1/2-Watt, 3/8" Square, Single-Turn

- Trimmer w/ shaft • 3 positions
- Shaft length: 0.32"
- 0.1" lead spacing

★ **Web Code: TDF**

2118803

Part No.	Mfr. Part No.	Ohms	1	10	100
2161385	18STS500𝓡	500	$1.25	$1.09	$.95
2118803	18STS1K𝓡	1k	1.25	1.09	.95
2161393	18STS5K𝓡	5k	1.25	1.09	.95
2118791	18STS10K𝓡	10k	1.25	1.09	.95
2161406	18STS100K𝓡	100k	1.25	1.09	.95
2161414	18STS500K𝓡	500k	1.25	1.09	.95
2161422	18STS1M𝓡	1M	1.25	1.09	.95

24mm Audio Taper (±20%)

- Terminal type: solder lugs
- Body diameter: 0.945"
- Shaft dia.: 0.25" • Shaft length: 0.335"
- Rotational angle: 300° (±5°)
- Max. voltage: 250V
- Insulation resistance: >100MΩ @ 500VDC

★ **Web Code: MBQ**

255426

ⓐ **ALPHA**

Use 2182602 for additional panel mounting hardware, pg 81

Qty.	Power Rating	1	10	100
Single Audio	1/4 watt	$1.55	$1.39	$1.25
Dual Audio	1/2 watt	2.25	2.09	1.89

Part No.	Manufacturer Part No.	Audio Type	Ohms
2181458	RV24BF-10-15R1-A1K𝓡	Dual	1k
255426	RV24AF-10-15R1-A14𝓡	Single	10k
2181466	RV24BF-10-15R1-A10K𝓡	Dual	10k
255434	RV24AF-10-15R1-A54𝓡	Single	50k
255442	RV24AF-10-15R1-A15𝓡	Single	100k
2181474	RV24BF-10-15R1-A100K𝓡	Dual	100k
255451	RV24AF-10-15R1-A55𝓡	Single	500k
255469	RV24AF-10-15R1-A16𝓡	Single	1M
2181482	RV24BF-10-15R1-A1M𝓡	Dual	1M

2 & 5-Watt 24mm Linear Taper Wirewound (±20%)

JAMECO ValuePro

- Temp. range: -10°C to +70°C
- Non-rotational key • Base length: 0.25"

123960

Includes: Mounting hardware

123960 *(Use 2182611 for additional PNL MTG hardware)*
- Shaft length/diameter: 0.825"/0.25"
- Mounting hole: 0.375"

140514 *(Use 2182602 for additional PNL MTG hardware)*
- Shaft length/diameter: 0.67"/0.23" (6mm)
- Mounting hole: 0.32"
- Max. panel thickness: 0.1"

140514

Part No.	Watts	Ohms	1	10	100
123960	2𝓡	1k	$4.75	$3.95	$3.49
140514	5𝓡	100	3.75	3.39	2.95

1/8 & 1/5-Watt 16mm Linear Taper (±20%)

ⓐ **ALPHA**

- Rated voltage: 200V • Body dia.: 0.63"
- Shaft diameter: 0.250"
- Insulation resistance: >100MΩ @ 500VDC

286193

1/8-Watt *(Use 2182688 for additional PNL MTG hardware)*
- Rotational angle: 300° (±5°) • Rotation life: 15k cycles

Qty.	1	10	100
Pricing	$1.39	$1.19	$1.05

Part No.	Manufacturer Part No.	Shaft Length	Ohms
286193	RV16AF-10-20R1-B53𝓡	0.531"	5k
286206	RV16AF-10-20R1-B14𝓡	0.531"	10k
286214	RV16AF-10-20R1-B54𝓡	0.531"	50k
286222	RV16AF-10-20R1-B55𝓡	0.531"	500k

1/5-Watt *(Use 2182688 for additional PNL MTG hardware)*
- Shaft diameter: 0.25" • Body diameter: 0.63"

Qty.	1	10	100	500
Pricing	$1.59	$1.35	$1.15	$.99

Part No.	Manufacturer Part No.	Shaft Length	Ohms
286249	RV16AF-10-15R1-B13𝓡	0.335"	1k
286265	RV16AF-10-15R1-B53𝓡	0.335"	5k
286273	RV16AF-10-15R1-B14𝓡	0.335"	10k
286282	RV16AF-10-15R1-BF4𝓡	0.335"	25k
286302	RV16AF-10-15R1-B15𝓡	0.335"	100k
286337	RV16AF-10-15R1-B16𝓡	0.335"	1M
163563	PMD401K (10 detents)	0.605"	10k

1/2-Watt 24mm Linear Taper (±10%)

JAMECO ValuePro

- Temp. range: -55°C to +125°C
- Non-rotational key, non-slotted shaft end
- Maximum panel thickness: 0.1875"
- Mounting hole: 0.3125"
- Shaft dia.: 0.25" • Shaft length: 0.355"

2133675

Includes: Mounting hardware

Use 2182602 for additional panel mounting hardware (except ★ 2133675 – use 2182611), pg 81

Qty.	1	10	100	500
Pricing	$1.25	$1.09	$.95	$.85
Orange Pricing	.99	.89	.79	.65

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
29050	P1K𝓡	1k	29082	P10K𝓡	10k
2133675	B1K★	1k	29103	P100K𝓡	100k
29197	P5K𝓡	5k	29066	P1MEG𝓡	1M

★Mounting hole: 0.375"; shaft length: 0.375"

1/2-Watt 24mm Linear Taper with SPST Switch (±20%)

ⓐ **ALPHA**

- Shaft diameter: 0.25"
- Maximum voltage: 500V
- Terminal type: solder lugs
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)

263768

Use 2182602 for additional panel mounting hardware, pg 81

Qty.	1	10	100
Pricing	$1.95	$1.75	$1.59

Part No.	Manufacturer Part No.	Shaft Length	Ohms
263768	RV24A01F-10-15R1-B13𝓡	0.335"	1k
263792	RV24A01F-10-15R1-B14𝓡	0.335"	10k
263822	RV24A01F-10-15R1-B100K𝓡	0.335"	100k
263848	RV24A01F-10-15R1-B55𝓡	0.335"	500k

★ *Linear Taper Potentiometers — Enter Web Code JAE*

1/2-Watt 24mm Linear Taper (±20%)

- Rotational angle: 300° (±5°)
- Max. voltage: 500V • Shaft Diameter: 0.25"
- Withstanding voltage for 1 minute: 500VAC

ⓐ **ALPHA**

Use 2182602 for additional panel mounting hardware

255477 **264373** **255662**

Qty.	1	10	100
Pricing	$1.55	$1.39	$1.25

Part No.	Manufacturer Part No.	Shaft Length	Ohms
255477	RV24AF-10-15R1-B52𝓡	0.335"	500
255485	RV24AF-10-15R1-B13𝓡	0.335"	1k
255493	RV24AF-10-15R1-B23𝓡	0.335"	2k
255514	RV24AF-10-15R1-B53𝓡	0.335"	5k
255522	RV24AF-10-15R1-B14𝓡	0.335"	10k
255531	RV24AF-10-15R1-BF4𝓡	0.335"	25k
255549	RV24AF-10-15R1-B54𝓡	0.335"	50k
255557	RV24AF-10-15R1-B15𝓡	0.335"	100k
255565	RV24AF-10-15R1-BF5𝓡	0.335"	250k
255573	RV24AF-10-15R1-B55𝓡	0.335"	500k
255582	RV24AF-10-15R1-B16𝓡	0.335"	1M
255600	RV24AF-10-15R1-B26𝓡	0.335"	2M
264373	RV24AF-10-20K-B52𝓡	0.531"	500
264382	RV24AF-10-20K-B13𝓡	0.531"	1k
264402	RV24AF-10-20K-B53𝓡	0.531"	5k
264411	RV24AF-10-20K-B14𝓡	0.531"	10k
264437	RV24AF-10-20K-B15𝓡	0.531"	100k
264462	RV24AF-10-20K-B16𝓡	0.531"	1M
255662	RV24AF-10-40R1-B14𝓡	1.32"	10k
255696	RV24AF-10-40R1-B15𝓡	1.32"	100k

2-Watt 22mm Linear Taper (±10%)

- 2W @ 70°C ambient • Non-rotational key
- Temp. range: -55°C to +120°C
- Shaft length: 0.875" • Shaft dia.: 0.25"
- Mounting hole: 0.375"
- Max. panel thickness: 0.25"

Honeywell

13936

Includes: Mounting hardware

Use 2182611 for additional panel mounting hardware, pg 81

Qty.	1	10	50
Pricing	$9.95	$8.95	$7.95

Part No.	Military No.	Ohms	Part No.	Military No.	Ohms
241568	RV4NAYSD101A	100	2160518	R24KM-B10K𝓡	10k
13936	RV4NAYSD102A	1k	241656	RV4NAYSD203A	20k
13995	RV4NAYSD502A	5k	13979	RV4NAYSD104A	100k
2160526	R24KM-B5K𝓡	5k	241728	RV4NAYSD105A	1M
13952	RV4NAYSD103A	10k			

2-Watt 28mm Single-Turn Linear Taper (±10%)

- Power rating: 2 watts at 70°C
- Mechanical rotation: 314°
- Rotational life: 25,000 cycles
- Operating temp.: -65°C to +125°C
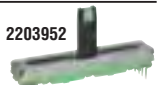- Shaft size: 0.581"L x 0.25"Dia. • Mounting hole: 0.37"

Use 2182611 for additional panel mounting hardware, pg 81

Part No.	Cross Ref.	Ohms	1	10	50
2172826	K1716	5k	$7.95	$6.95	$6.25

Slide Potentiometers

2203952

- 200mW rating
- 15,000 cycle slide life

ⓐ **ALPHA**

Part No.	Length		1	10	100
2203952	30mm𝓡★	10k	$2.25	$1.95	$1.75
2203961	60mm𝓡	10k	1.95	1.75	1.59
2203979	45mm𝓡★	50k	2.49	2.25	1.95
2203987	60mm𝓡	50k	1.95	1.75	1.59

★Green LED indicator

Passives

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

Cermet Trimmer Potentiometers & Knobs

JAMECO ValuePro — Cermet Trimmer Potentiometers

Bourns®, Vishay/Spectrol, Bitech (Beckman) Series Equivalents

- Resistance tolerance: ±10%
- Insulation resistance: 1000MΩ min. (500VDC)
- Absolute min. res.: 2Ω
- Temp. range: -55°C to 125°C

5 Million Pieces Pot Sale!
Visit Jameco.com and use Web Code
★ **Web Code: TDF**

3329H · 3362P · 3296W · 3006P

Bourns® 3266 Series, Vishay/Spectrol 64W Series
- 1/4 watt, 1/4" square, 12-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
254642	3266W𝓡	1k	$1.75	$1.49	$1.25
254669	3266W𝓡	5k	2.25	1.95	1.75
254677	3266W𝓡	10k	2.25	1.95	1.75
254714	3266W𝓡	100k	1.75	1.49	1.25
1156381	3266X𝓡	5k	.99	.89	.79

Bourns® 3329 Series, Vishay/Spectrol 62-3, 62-1 Series
- 1/2 watt, 1/4" round, single-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
854452	3329H𝓡	2k	$1.19	$1.09	$.99
854487	3329H𝓡	20k	.69	.59	.49
854567	3329H𝓡	50k	1.19	1.09	.99
2133667	3329H	500k	.99	.89	.79
95441	3329P	1k	1.29	1.15	.99
96719	3329P	10k	1.29	1.15	.99
95484	3329P	100k	1.29	1.15	.99

Bourns® 3362 Series, Vishay/Spectrol 76P Series
- 1/2 watt, 1/4" square, single-turn

Part No.	Series*	Value (Ω)	1	10	100
770371	3362H	10k	$.69	$.65	$.59
182810	3362P	500	.75	.65	.55
253982	3362P𝓡	1k	.89	.75	.65
182829	3362P𝓡	5k	.89	.75	.65
182837	3362P𝓡	10k	.89	.75	.65
254002	3362P𝓡	20k	.89	.75	.65
254028	3362P𝓡	50k	.89	.75	.65
254036	3362P𝓡	100k	.89	.75	.65
254044	3362P𝓡	500k	.75	.65	.55
254115	3362P	1M	.75	.65	.55
2133771	3362U-1-102	1k	.59	.49	.45
2133780	3362U-1-105	1M	.59	.49	.45
254175	3362W𝓡	1k	.89	.75	.65
254204	3362P𝓡	10k	.89	.75	.65
769080	3362X-1-502	1M	.59	.49	.45

*H, P & U: top adjustment;   X & W: side adjustment

Bourns® 3386 Series, Vishay/Spectrol 63 Series
- 1/2 watt, 3/8" square, single-turn

Part No.	Series*	Value (Ω)	1	10	100
254297	3386P𝓡	100	$1.19	$1.09	$.99
43123	3386P𝓡	500	1.25	1.09	.99
42964	3386P𝓡	1k	1.25	1.09	.99
43043	3386P𝓡	2k	1.25	1.09	.99
43078	3386P𝓡	5k	1.25	1.09	.99
43001	3386P𝓡	10k	1.25	1.09	.99
43051	3386P𝓡	20k	1.25	1.09	.99
254377	3386P𝓡	25k	1.25	1.09	.99
43107	3386P𝓡	50k	1.25	1.09	.99
43027	3386P𝓡	100k	1.25	1.09	.99
43060	3386P	300k	.75	.65	.55
63212	3386P𝓡	500k	1.25	1.09	.99
42981	3386P𝓡	1M	1.25	1.09	.99
105216	3386P	2M	1.25	1.09	.99
241445	3386W	5k	1.09	.99	.85
241454	3386W𝓡	10k	1.09	.99	.85
771024	3386X𝓡	100	1.09	.89	.75
264701	3386X𝓡	50k	.99	.89	.79

*P: top adjustment;   W & X: side adjustment   † in-line front adj.

Bourns® 3296 Series, Vishay/Spectrol 64 Series
- 1/2 watt, 3/8" rectangular, 25-turn

Part No.	Series*	Value (Ω)	1	10	100
2037982	3296P𝓡	1k	$1.49	$1.25	$1.09
769354	3296P𝓡	5k	1.49	1.25	1.09
853513	3296P𝓡	10k	1.49	1.25	1.09
769362	3296P𝓡	50k	1.49	1.25	1.09
769320	3296P𝓡	1M	1.49	1.35	1.09
853759	3296W𝓡	500	1.75	1.49	1.25
853556	3296W𝓡	1k	1.75	1.49	1.25
853775	3296W𝓡	5k	1.75	1.49	1.25
853572	3296W𝓡	10k	1.75	1.49	1.25
853679	3296W𝓡	20k	1.75	1.49	1.25
853791	3296W𝓡	50k	1.75	1.49	1.25
853599	3296W𝓡	100k	1.75	1.49	1.25
240725	3296Y	100	1.49	1.25	1.09
240750	3296Y𝓡	1k	1.49	1.25	1.09
240777	3296Y𝓡	5k	1.75	1.49	1.25
240427	3296Y𝓡	10k	1.49	1.25	1.09
240470	3296Y	100k	1.49	1.25	1.09

*P: side adjustment;   W & Y: top adjustment
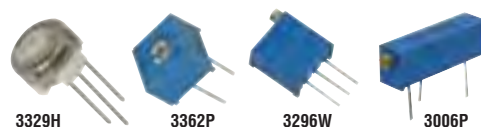
Bourns® 3299 Series, Vishay/Spectrol 68W Series
- 1/2 watt, 3/8" square, 25-turn top adjustment

Part No.	Series	Value (Ω)	1	10	100
241104	3299W𝓡	500	$1.49	$1.25	$1.09
241111	3299W𝓡	1k	1.49	1.25	1.09
241139	3299W𝓡	5k	1.49	1.25	1.09
240602	3299W	10k	1.49	1.25	1.09
241146	3299W𝓡	10k	1.49	1.25	1.09
238633	3299W𝓡	20k	1.49	1.25	1.09
241189	3299W𝓡	100k	1.49	1.25	1.09
241219	3299W𝓡	1M	1.75	1.49	1.25

Bourns® 3006 Series, Vishay/Spectrol 43 Series
- 3/4 watt, 3/4" rectangular, 15-turn side adjustment

Part No.	Series	Value (Ω)	1	10	100
241242	3006P	200	$1.25	$1.09	$.99
41937	3006P	500	1.25	1.09	.99
241269	3006P	1k	1.25	1.09	.99
241270	3006P𝓡	1k	1.49	1.25	1.09
41865	3006P	2k	1.25	1.09	.99
41890	3006P	5k	1.25	1.09	.99
241286	3006P𝓡	5k	1.49	1.25	1.09
41822	3006P	10k	1.25	1.09	.99
241294	3006P𝓡	10k	1.49	1.25	1.09
41873	3006P	20k	1.25	1.09	.99
241307	3006P𝓡	20k	1.49	1.25	1.09
241314	3006P	25k	1.25	1.09	.99
241323	3006P𝓡	50k	1.25	1.09	.99
41849	3006P	100k	1.25	1.09	.99
241332	3006P𝓡	100k	1.49	1.25	1.09
63001	3006P	200k	1.25	1.09	.99
41953	3006P	500k	1.25	1.09	.99
241374	3006P𝓡	1M	1.49	1.25	1.09
2162901	3006P	2M	1.25	1.09	.99

★ **Membrane Sensor/Potentiometers — Enter Web Code MEM**

JAMECO ValuePro — Instrumentation Knobs (1/4" & 1/8" Shaft Diameters)

★ **Web Code: EBD**

Fig. 1 · Fig. 2 · Fig. 3 · Fig. 4 · Fig. 5 · Fig. 6 · Fig. 7 · Fig. 8 · Fig. 9 · Fig. 10 · Fig. 11 · Fig. 12 · Fig. 13 · Fig. 14 · Fig. 15

Part No.	Product No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
265009	JK-902B	Black	White	.60 x .95	1	$.99	$.89	$.79
264998	JK-902A𝓡	Black	White	.69 x 1.31	1	.99	.89	.79
264990	JK-901D𝓡	Black/alum	White	.47 x .78	2	.95	.85	.75
264955	JK-901C𝓡	Black/alum	White	.61 x 1.06	2	.99	.89	.79
264946	JK-901B	Black/alum	White	.64 x 1.29	2	1.25	1.09	.99
264920	JK-901A	Black/alum	White	.79 x 1.77	2	1.75	1.49	1.25
264912	RN-114A𝓡	Black/alum	Numeric	.58 x 1.46	3	.99	.89	.79
2158143	RN-12P0S𝓡 §	Black/alum	Numeric	.70 x 1.50	3	.75	.65	.59
264892	RN-113A𝓡	Black/alum	Numeric	.70 x 1.15	3	.99	.89	.79
264883	RN-112A𝓡	Black/alum	Numeric	.90 x 1.46	3	.99	.89	.79
102788	JK-903C𝓡	Black	White	.54 x 1.25	4	.75	.65	.55
104176	JK-902C	Black	White	.49 x .75	5	.99	.89	.79
202287	CP-Z1-M-S𝓡	Black/alum	White	.60 x .80	6	.89	.79	.69
136241	GKB-214𝓡	Black/alum	White	.52 x .54	7	1.25	1.09	.95
138393	41108-1𝓡	Black/alum	White	.56 x .85	7	1.35	1.19	.99
265077	JK-905C𝓡	Black/blue	White	.58 x .57	8	.99	.89	.79
265084	JK-905D	Black/green	White	.58 x .57	8	.99	.89	.79

Part No.	Product No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
265051	JK-905A 𝓡	Black/red	White	.58 x .57	8	$.99	$.89	$.79
265069	JK-905B𝓡	Black/yellow	White	.58 x .57	8	.99	.89	.79
265033	JK-904C	Black/blue	White	.47 x .78	9	.99	.89	.79
265041	JK-904D	Black/green	White	.47 x .78	9	.99	.89	.79
265018	JK-904A𝓡	Black/red	White	.47 x .78	9	.99	.89	.79
265025	JK-904B	Black/yellow	White	.47 x .78	9	.99	.89	.79
265122	JK-906𝓡	Black	White	.58 x .61	10	1.25	1.09	.99
265244	CR-MS-3-T18*	Gray	Blue	.68 x .51	11	.69	.59	.49
265261	CR-MS-5-T18*	Grey	Grey	.68 x .51	11	.69	.59	.49
265228	CR-MS-1-T18*	Grey	Red	.68 x .51	11	.69	.59	.49
290125	42008-1𝓡†	Aluminum	Black	.50 x .625	12	2.19	1.95	1.75
162481	K5-1/4S	Chrome	Silver	.50 x .56	13	.99	.89	.79
138482	KN031𝓡	Aluminum	Black	.61 x .65	14	2.49	2.25	1.95
138502	KN032𝓡	Aluminum	Black	.87 x .70	14	2.65	2.39	2.15
2173677	1400𝓡	Black	Black	.42 x .68	15	.99	.89	.79

*For use with 1/4" knurled shaft   † 1/8" shaft diameter   § Plastic flange

𝓡 RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.
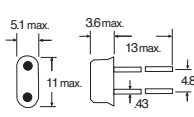
Passives

JAMECO ValuePro Crystals

- Frequency calibration tolerance: ±50ppm @ 25°C
- Freq. stability tolerance: ±50ppm from -10° to +60°C
- Operating temperature: -10°C to +60°C
- Shunt capacitance: 7pF max.
- Drive level: 4.0mW max.

★ Web Code: EAU
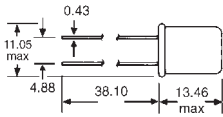
HC49/U (HC18/U) Case

HC49/S (HC49/US) Case

HC49/U (HC18/U) Case

Part No.	Frequency (MHz)	Impedance	Pricing 1	10	100
102613	1.8432	18pF	$.49	$.39	$.35
101274	2.4576	32pF	.49	.39	.35
14533	3.579545	18pF	.49	.39	.35
324364	4.0℞	Series	.49	.39	.35
14592	4.0	20pF	.49	.39	.35
14728	8.0	Series	.49	.39	.35
14381	10.0	Series	.49	.39	.35
120061	11.0592	Series	.49	.39	.35
324110	11.0592	32pF	.49	.39	.35
2159630	12.0	20pF	.49	.39	.35
14402	12.0	Series	.49	.39	.35
537799	14.31818	Series	.49	.39	.35
324187	14.7456	20pF	.49	.39	.35
14453	16.0	Series	.49	.39	.35
324268	20.0℞	20pF	.49	.39	.35
14517	20.0	Series	.49	.39	.35

HC49/US Low Profile Case

Part No.	Frequency (MHz)	Impedance	Pricing 1	10	100
324962	4.0℞	20pF	$.59	$.55	$.49
324929	5.0	20pF	.59	.55	.49
325198	12.0†	20pF	.59	.55	.49
325139	16.0	20pF	.59	.55	.49
325068	20.00℞	20pF	.59	.55	.49
325024	24.0	20pF	.59	.55	.49

† Industrial temperature range is -40°C to 85°C

HC49/S Low Profile Case

- ±5ppm/year max.
- Drive level: 0.5mW (fundamental frequency)

Part No.	Frequency (MHz)	Impedance	Pricing 1	10	100
137832	4.0	17pF	$.49	$.35	$.29
137859	8.0	Series	.49	.35	.29
137875	11.0592	Series	.49	.35	.29
137891	16.0	Series	.49	.35	.29

JAMECO ValuePro Crystal Oscillator Sockets

- Can be PCB-mounted without the modifications that would be needed with DIP-IC sockets
- Low profile solder tail; machine tooled on 4 pins

133006

Part No.	Description	1	10	100
676385	8-pos. socket for half can℞	$.65	$.55	$.45
133006	14-pos. socket for full can	.65	.55	.45

JAMECO ValuePro Tuning Forks

- Operating temperature range: -10°C to +60°C
- Frequency: 32.768kHz
- Drive level: 1mW
- Frequency tolerance: ±50ppm
- Aging for first year: ±3ppm (max. +25°C)
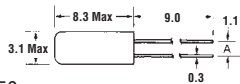
Part No.	Comparable to:	Imped.	1	10	100
14584	CY32.76	10.5pF	$.49	$.45	$.39
325244	JVP-325243℞	12.5pF	.49	.45	.39

JAMECO ValuePro TTL Oscillators

- Frequency stability ±100ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.
- Machine tooled 4 pins

Full Can
Half Can

Full Can

- Input volt.: +5VDC ±0.5VDC
- Most fit into a 14-pos. DIP socket P/N 133006, below
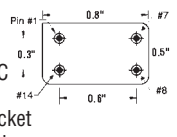
Pin #	Function
1	N/C
7	GND
8	Output
14	+5VVs

★ Web Code: XAD

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	10	100
27861	1.0	7mA	15ns	$1.95	$1.79	$1.59
27879	1.8432	7mA	15ns	1.95	1.79	1.59
27924	2.0	7mA	15ns	1.49	1.35	1.19
27967	4.0	7mA	10ns	1.95	1.79	1.59
27991	8.0	15mA	15ns	1.95	1.79	1.59
27887	10.0	15mA	10ns	1.95	1.79	1.59
27895	12.0	15mA	10ns	1.49	1.35	1.19
27932	20.0	17mA	10ns	.75	.59	.39
2135321	24.0	30mA	8ns	.59	.49	.39
27941	32.0	18mA	7ns	.79	.69	.59
76822	33.0	18mA	6ns	1.95	1.79	1.59
153226	40.0	15mA	6ns	.99	.89	.79
2095381	60.0	65mA	5ns	.75	.65	.55

Half Can

- Input voltage: +3.3VDC ±10%
- Most fit into a 8-pos. DIP socket P/N 676385, below
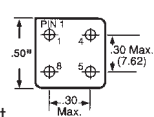
Pin #	Function
1	N/C
4	GND
5	Output
8	+3.3VVs

★ Web Code: MAM

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	10	100
325462	1.0	15mA	10ns	$1.49	$1.35	$1.19
102779	10.0	30mA	6ns	1.35	1.19	1.09
325665	20.0	30mA	10ns	1.19	1.09	.99
325702	32.0	70mA	5ns	.45	.35	.25
354853	50.0	70mA	10ns	.75	.69	.65

Field Programmable TTL Oscillators NEW MARKED IN PINK

- Program w/ PG-3000 (P/N 2208121, pg 169)
- 3.3V, 25mA, ≤4ns
- Can be reprogrammed one time (blanks can be programmed twice)
- Stability: ±50 ppm   • Tri-State
- Operating temp.: -40°C to +85°C

Half Can

Part No.	Frequency (MHz)	Can	Pricing 1	10	100
2207988	1.0	Half	$9.95	$5.95	$4.95
2207996	10.0	Half	9.95	5.95	4.95
2208008	20.0	Half	9.95	5.95	4.95
2208016	1.0	Full	9.95	5.95	4.95
2208024	1.8432	Full	9.95	5.95	4.95
2208032	2.0	Full	9.95	5.95	4.95
2208041	4.0	Full	9.95	5.95	4.95
2208059	8.0	Full	9.95	5.95	4.95
2208067	10.0	Full	9.95	5.95	4.95
2208075	20.0	Full	9.95	5.95	4.95
2208083	33.0	Full	9.95	5.95	4.95
2208091	40.0	Full	9.95	5.95	4.95

5mm x 20mm Fast Acting Fuse Kit

- Glass cartridge, silver-end caps
- Voltage rating: 250VAC
- IEC127/BS4265/CEE4 spec.
- 100 pieces: 10 ea. of 0.1A, 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A

Part No.	Mfr. Part No.	1	10	25
645343	K/FF	$15.95	$14.95	$13.95

★ Miscellaneous Fuses — Enter Web Code SVE

JAMECO ValuePro Fuses

5mm x 20mm Mini Fast Acting GMA Fuses (250V)   ★ Web Code: QAM

- Recommended for new designs

Part No.	⊛Mfr.	Cross Ref.	Amps	1	10	100
103887	JVP	GMA-250mA℞	.25A	$.29	$.25	$.22
102041	JVP	GMA-500mA℞	.5A	.29	.25	.22
103908	JVP	GMA-1℞	1A	.29	.25	.22
103916	JVP	GMA-2℞	2A	.29	.25	.22
103924	JVP	GMA-3℞	3A	.29	.25	.22
103932	JVP	GMA-5℞	5A	.29	.25	.22
2159664	JVP	GMA-16	16A	.22	.17	.14

1 1/4" x 1/4" Standard Fast Acting (250V) AGC/3AG Fuses   ★ Web Code: AAB
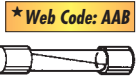
Part No.	⊛Mfr.	Cross Ref.	Amps	1	10	100
69404	JVP	AGC-250mA℞	.25A	$.35	$.29	$.25
2205472	BSM	AGC-1-1/4	.25A	.59	.49	.39
10410	JVP	AGC-0.5	.5A	.35	.29	.25
10373	JVP	AGC-1℞	1A	.35	.29	.25
652949	LTL	312001.HXP℞	1A	.35	.29	.25
197528	JVP	AGC-1.6	1.6A	.35	.29	.25
10382	JVP	AGC-2℞	2A	.35	.29	.25
69439	JVP	AGC-3R℞	3A	.35	.29	.25
197544	JVP	AGC-4	4A	.35	.29	.25
10402	JVP	AGC-5℞	5A	.35	.29	.25
197552	JVP	AGC-6.3	6.3A	.35	.29	.25
69462	JVP	AGC-10	10A	.35	.29	.25
186301	JVP	AGC-16	16A	.35	.29	.25

5mm x 20mm Mini Slow Blow GMD Fuses (250V)   ★ Web Code: MSB

Part No.	⊛Mfr.	Cross Ref.	Amps	1	10	100
197502	JVP	GMD-500mA℞	0.5A	$.39	$.35	$.29
2129836	BEL	5ST(P)630℞	0.63A	.39	.35	.29
103827	BSM	GMC-1A*	1A	.39	.35	.29
197465	JVP	GMD-1℞	1A	.39	.35	.29
197472	JVP	GMD-2	2A	.39	.35	.29
197482	JVP	GMD-3.15℞	3.15A	.39	.35	.29
197500	JVP	GMD-5℞	5A	.39	.35	.29
2178793	JVP	GMD-6.3	6.3A	.39	.35	.29

* Medium time delay type

1 1/4" x 1/4" Standard Slow Blow MDL/3AG Fuses (250V)   ★ Web Code: EAD

Part No.	⊛Mfr.	Cross Ref.	Amps	1	10	100
25655	JVP	MDL-1/4℞	.25A	$.59	$.55	$.49
25689	JVP	MDL-1/2	.5A	.59	.55	.49
25639	JVP	MDL-1℞	1A	.59	.55	.49
25646	JVP	MDL-2	2A	.59	.55	.49
69535	JVP	MDL-3℞	3A	.49	.45	.39
25672	JVP	MDL-5℞	5A	.59	.55	.49
69570	JVP	MDL-10℞	10A	.59	.55	.49

⊛ BEL = BEL Fuse | BSM = Bussmann | JVP = ValuePro | LTL = Littelfuse

Passives

★ For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

3 LEVELS OF SAVINGS — NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Circuit Breakers

- Quick connect style terminals (.25")
- Actuator: black plastic button
- Mounting hole: 0.450"
- Current rated for 125/250VAC/32VDC
- P/N 2186013: 1.1"L x .51"W x .79"H

1.38" x 1.35" x .57"

621430

NEW MARKED IN PINK
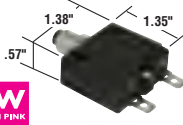
Includes: Nut, knurled nut, ID plate

★ Web Code: LCF

Part No.	Mfr. P/N	Curr. Rating (A@VAC)	1	10	100
2187868	98-05-A1B14-A0B*ℛ*	5 @ 125/250	$2.95	$2.75	$2.49
621376	35-2105ℛ	5 @ 125/250 ..	3.49	2.95	2.75
621413	35-2110ℛ	10 @ 125/250 ..	3.49	2.95	2.75
2173061	W58-XB1A4A-10ℛ	10 @ 125/250 ..	2.95	2.59	2.25
621430	35-2115ℛ	15 @ 125/250 ..	3.49	2.95	2.75
2186013	SS-001ℛ*	15 @ 125	9.95	8.95	7.95
621448	35-2120ℛ	20 @ 125/250 ..	3.49	2.95	2.75
612470	W28-XQ1A-20†	20 @ 250	2.49	2.25	1.95

*Rocker switch style (snap-in), Reset/Off mark
†Rocker switch style (snap-in), 0.6" mounting hole

Thermal Over-Current Circuit Breaker

- Voltage rating: 250VAC/50VDC @ 1.5A
- Typical life: 500 break operations
- Ambient temp.: -20°C to 70°C
- Dielectric strength: AC 1500V
- Insulation resis.: >100MΩ
- Mounting hole: 0.350"

Part No.	Mfr. Part No.	1	10	100
2162679	1410-G111-L2F1-S01	$3.95	$3.59	$3.29

EGE Resettable Fuses

Polymer Positive Temperature Coefficient (PPTC) fuses improve product quality performance and are resettable.
- Rated voltage: (V_{MAX}): 60V • Max. current: (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.1mm max.

★ Web Code: SBF
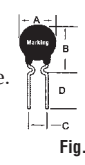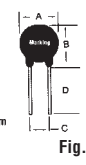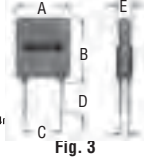
Fig. 1   Fig. 2   Fig. 3

Part No.	Mfr. P/N	Hold Curr. (I_H, A)	Trip Curr. (I_T, A)	Fig.	A	B	C	E	1	10	100
199832	RA020-60ℛ	0.20	0.40	1	7.4	12.2	5.1	3.1	$.49	$.45	$.39
199858	RA030-60ℛ	0.30	0.60	1	7.4	13.0	5.1	3.1	.59	.55	.49
199874	RA050-60ℛ	0.50	1.00	1	7.9	13.7	5.1	3.1	.59	.55	.49
199912	RA110-60ℛ	1.10	2.20	2	13.0	18.0	5.1	3.1	.59	.55	.49
199938	RA160-60ℛ	1.60	3.20	2	16.3	21.3	5.1	3.1	.59	.55	.49
200062	RB500-30ℛ	5.00	10.00	3	14.0	24.9	10.2	3.0	.59	.55	.49

Bussmann Auto Fuses / OPTIFUSE

Automotive Blade Low Voltage Fuse

- Standard for battery applications
- Rated at 32VDC
- Fast acting

★ Web Code: ATF
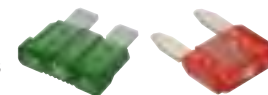
Fig. 1 (2135961)   Fig. 2 (2159744)

Part No.	Mfr. Part No.	Fig.	Amps	1	10	100
2135961	APR-30Aℛ	1	30A	$.59	$.49	$.39
2150707	APM-30ℛ	2	30A	.49	.39	.32
2135937	APR-15Aℛ	1	15A	.59	.49	.39
2135929	APR-10Aℛ	1	10A	.59	.49	.39
2135902	APR-5Aℛ	1	5A	.59	.49	.39
2159744	APR-4A	2	4A	.39	.35	.29
2135890	APR-3Aℛ	1	3A	.59	.49	.39

Littelfuse Fuse Holders

★ Web Code: UEA

Omni-Blok® Molded Base Fuse Block
- Dielectric strength: 1500V min.
- Clip/terminals: tin plated spring brass
- Solder terminal   *1 3AG   2 5x20mm

Part No.	Mfr. Part No.	Curr. Rating	Size*	1	10	100
1711947	354800-GYℛ	20A, 300V	1 ...	$.99	$.89	$.79
2178700	5X20ST#	10A, 300V	2	.75	.59	.59
1712608	520101ℛ†	10A, 300V	2	.99	.89	.79

† PCB mount   # Mfr.: Jameco ValuePro

Panel Mount for 3AG Fuse
- Dielectric strength: 2400V min.
- Black thermoplastic, UL94V-0
- Terminals: copper & copper alloy, tin plated

Part No.	Mfr. Part No.	Curr. Rating	1	10	100
1711681	03420012Hℛ	20A, 250V	$2.29	$2.19	$2.09

JAMECO ValuePro / OPTIFUSE / Bussmann — Fuse Holders & Clips

Low Profile PCB-Mount Fuse Clips

★ Web Code: UEA

†1. For GMA/GMD fuses   2. For 3AGC/MDL/AG fuses
- Low contact resistance
- Withstands shock/vibration   • Order in multiples of 10

102842   W / H / P / D

Part No.	Description	For Use With†	Size (H" x W" x D" x P")	10	100	500
119280	5mm, side leads	1	.33 x .25 x .20 x .21	$.15	$.13	$.09
102860	5mm, front leadsℛ	1	.37 x .25 x .21 x .19	.15	.13	.09
2099438	1/4", side leads	2	.42 x .25 x .20 x .21	.10	.09	.08
102842	1/4", front leads (10A)ℛ	2	.32 x .27 x .25 x .23	.15	.13	.09

5mm x 20mm Mini Thumbscrew Panel Mount Fuse Holders

- Straight solder terminal   • Size: 1.5"L x 0.6"Dia.

150464

Part No.	Mfr.	Curr. (A @ VAC)	Mounting Hole	1	10	100
150464	ValueProℛ	6 @ 250	.50"Dia. x .43"Flat	$1.09	$.99	$.89
102825	ValueProℛ	10 @ 250	.50"Dia.	1.25	1.09	.95

1¼" x ¼" Standard Thumbscrew Panel Mount Fuse Holders

- Straight solder terminal   • Current: 10A @ 250VAC

18703

Part No.	Mfr.	Size (L x Dia.)	Mounting Hole	1	10	100
120994	ValueProℛ	1.95" x .71"	.58"Dia. (Double D-style)	$.95	$.85	$.69
18703	ValueProℛ	2.05" x .71"	.58"Dia. x .52"Flat (D-style)	1.59	1.35	1.19
2179649	Bussman	2.64" x .79"	.505"Dia. x .473"Flat (D-style)	2.29	1.95	1.75

5mm x 20mm Miniature In-Line Fuse Holder

Part No.	Mfr.	AWG	Wire Color	Body Size	1	10	100
109330	ValuePro	20	Red	1.8"L	$.69	$.65	$.59

Screw Driver Slot Fuse Holders

- Terminal   • D-style   • UL/CSA
- Mounting hole: .5"Dia. x .46" Flat

2178742   2178777

Part No.	Cross Ref.	Type	Current	Size (L" x Dia.")	1	10	100
102832	EFS609	5 x 20mm	10A @ 250VAC	1.4 x 0.6	$1.95	$1.75	$1.59
2178742	5X20LFH	5 x 20mm	20A @ 300VAC	1.7 x 0.6	1.95	1.75	1.49
2178777	FH032	1¼" x ¼"	10A @ 250VAC	1.7 x 0.7	.99	.89	.79

Printed Circuit Board Fuse Holders

1769743
- Current: 2178814 (10A @ 250VAC); 1769743 (16A @ 250V)

Part No.	Mfr.	Type	Size	Description	1	10	100
2178814	ValuePro	5 x 20mm	1.15"L x .48"W x .40"H	.5 lead space	$1.49	$1.25	$.99
1769743	Bussman	1¼" x ¼"	1.86"L x .51"Dia.	.4 x .4 grid	4.95	4.49	3.95

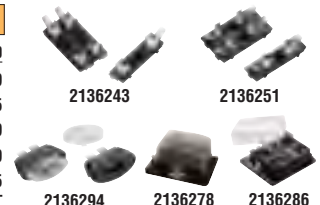### 1¼" x ¼" Standard In-Line Fuse Holders

102868   2136631
- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center

Part No.	Mfr.	AWG	Wire Lengths	Body Length	Color (Body/Wire)	1	10	100
109322	ValueProℛ	22	3.5/3"	2.4"	Black/Red	$.79	$.75	$.69
102868	ValueProℛ	20	3/3"	2.2"	White/Red	.89	.79	.69
151918	ValueProℛ	18	6/6"	2.4"	White/Red	1.19	1.09	.95
108784	ValueProℛ	16	21/26"	2.2"	Black/Orange	1.79	1.55	1.29
108792	ValueProℛ	14	19/25"	2.5"	Black/Red	2.49	2.25	1.95
2136631	Optifuseℛ#	—	—	2.77"	Yellow	2.49	2.25	1.95

#32VDC rated @ 30A

OPTIFUSE Fuse Blocks

★ Web Code: OFB

Part No.	Mfr. Part No.	Description (Rating)	Compatible Fuses	1	10	100
2136243	BLC-20Aℛ	Single, snap-together block for multi-pole applications (125VAC, 15A) (250VAC, 10A)	1/4" x 1-1/4" fuses	$1.09	$.99	$.89
2136251	BLC-20Cℛ	Single, snap-together block for multi-pole applications (125VAC, 8A) (250VAC, 8A)	5mm x 20mm fuses	1.25	1.09	.95
2136294	BLR-I-301ℛ	1-pos. w/ snap-in mount (124VDC, 30A), cover included†	Automotive-blade fuses	3.49	3.19	2.89
2136278	BLR-I-306ℛ	6-pos. w/ snap-in mount (30A per circuit, 100A max input), cover included†	Automotive-blade fuses	16.95	14.95	13.49
2136286	BLR-I-310ℛ	10-pos. w/ snap-in mount (30A per circuit, 100A max input), cover included†	Automotive-blade fuses	21.95	19.95	17.95

† LED indicator and 1/4" quick connect terminals

2136243   2136251   2136294   2136278   2136286

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

UL1007 & UL1569 Rated Stranded Hook-Up Wire

JAMECO ValuePro **NEW** MARKED IN PINK ★ *Web Code: JAS*

- Applications: Interconnection circuits, wiring of computer and data processing equipment, automotive and applications
- Additional colors available online • 300V peak • PVC insulation • Stranded • Sold in 100' and 1000' rolls • VW-1
- Temp. range: -40°C to 80°C (UL1007); -40°C to 105°C (UL1569) • Tin-plated copper • Additional lengths available online

Appliance Wiring Material (AWM) is a UL recognized covering of insulated wire & cable intended for internal wiring of appliances & equipment.

AWG	Stranding	UL1007	UL1569	Length	Black P/N	Red P/N	White P/N	Green P/N	Yellow P/N	Blue P/N	Brown P/N	Orange P/N	Violet P/N	Gray P/N	1	5
28	7 x 36	x	x	100	734611 ℛ	734603 ℛ	734610 ℛ	734606 ℛ	734605 ℛ	734614 ℛ	2184878 ℛ	2184886 ℛ	2184894 ℛ	2184907 ℛ	$6.95	$6.25
26	7 x 34	x	x	100	734511 ℛ	734503 ℛ	734510 ℛ	734506 ℛ	734505 ℛ	734514 ℛ	2184798 ℛ	2184801 ℛ	2184819 ℛ	2184827 ℛ	7.95	6.95
24	7 x 32	x	x	100	734411 ℛ	734403 ℛ	734410 ℛ	734406 ℛ	734405 ℛ	734414 ℛ	2171831 ℛ	2171840 ℛ	2171858 ℛ	2171866 ℛ	8.95	7.95
22	7 x 30	x		100	126085 ℛ	126034 ℛ	126077 ℛ	310852 ℛ	310878 ℛ	310886 ℛ	2184991 ℛ	2185002 ℛ	2185011 ℛ	2185029 ℛ	9.95	8.95
22	7 x 30	x	x	100	734311 ℛ	734303 ℛ	734310 ℛ	734306 ℛ	734305 ℛ	734314 ℛ	2138071 ℛ	2138089 ℛ	2138097 ℛ	2138100 ℛ	9.95	8.95
20	10 x 30	x		100	125840 ℛ	125795 ℛ	125831 ℛ	310894 ℛ	310915 ℛ	310922 ℛ	2185037 ℛ	2185045 ℛ	2185053 ℛ	2185061 ℛ	12.95	11.49
20	10 x 30	x	x	100	734211 ℛ	734203 ℛ	734210 ℛ	734206 ℛ	734205 ℛ	734214 ℛ	2171874 ℛ	2171882 ℛ	2171891 ℛ	2171903 ℛ	12.95	11.49
20	10 x 30	x	x	1000	2180050 ℛ	2180113 ℛ	2180092 ℛ	2180076 ℛ	2180068 ℛ	2180084 ℛ	2180105 ℛ	2180121 ℛ	2180130 ℛ	2180148 ℛ	59.95	56.95
18	16 x 30	x		100	125787 ℛ	125736 ℛ	125752 ℛ	310932 ℛ	310949 ℛ	310958 ℛ	2185070 ℛ	2185088 ℛ	2185096 ℛ	2185109 ℛ	15.95	14.49
18	16 x 30	x	x	100	734111 ℛ	734103 ℛ	734110 ℛ	734106 ℛ	734105 ℛ	734114 ℛ	2171911 ℛ	2171920 ℛ	2171938 ℛ	2171946 ℛ	15.95	14.49
16	26 x 30	x	x	100	734011 ℛ	734003 ℛ	734010 ℛ	734006 ℛ	734005 ℛ	734014 ℛ	2184835 ℛ	2184843 ℛ	2184851 ℛ	2184860 ℛ	18.95	16.95

Wire & Cable (side tab)

Solid Hook-Up Wire – 22 AWG

JAMECO ValuePro ★ *Web Code: PAF*

- Temperature range: -55°C to +105°C
- Passes UL VW-1 flame test • MIL-W-16878/1, type B PVC
- For use with breadboards such as the JE20 series, pg 141
- Additional colors available online

Length	Black P/N	Blue P/N	Green P/N	Red P/N	White P/N	Yellow P/N	1	5	10
25'	2152876 ℛ	2152884 ℛ	2152892 ℛ	2152905 ℛ	2153553 ℛ	2152921 ℛ	$3.95	$3.59	$3.29
100'	36792 ℛ	36768 ℛ	36822 ℛ	36856 ℛ	36881 ℛ	36920 ℛ	7.95	6.95	5.95
1000'	36805 ℛ	36776 ℛ	36840 ℛ	36864 ℛ	36899 ℛ	36928 ℛ	59.95	54.95	49.95

1/4-Lb. Nichrome Resistance Wire

- 60% nickel, 16% chromium, 24% iron
- Excellent resistance characteristics
- Temperature: to 1800°F (982°C)
- 24 AWG
- Nominal O.D.: 0.0201"

JAMECO ValuePro ★ *Web Code: ZOR*

Part No.	Length (ft.)	Ω/Ft. @ 68°F	1	5
2119419	205 ℛ	1.671	$14.95	$13.95

Bus Bar Hook-Up Wire

JAMECO ValuePro ★ *Web Code: QCS*

Tinned Copper

- Solid soft drawn annealed tinned copper • Single conductor
- Approvals: ASTM-B-3, QQ-W-343-Type-S • No insulation
- Sold in 100' reels

Part No.	Gauge	O.D (in.)	Amps	1	5	25
2098478	24 AWG ℛ	0.020	5	$7.95	$7.25	$6.49
2098486	22 AWG ℛ	0.025	7	8.95	7.95	7.25
2098494	20 AWG ℛ	0.032	8.5	10.95	9.95	8.95
2098507	18 AWG ℛ	0.040	16	15.95	14.49	12.95
2098515	16 AWG ℛ	0.061	19	18.95	16.95	15.49

Stranded & Solid Hook-Up Wire Kits

JAMECO ValuePro ★ *Web Code: PAF*

- Solid: 105°C, tinned copper, MIL-W-16878/1, type B
- Stranded: 80°C, tin plated, UL1007
- Passes UL VW-1 flame test

Part No.	AWG	Strands	Voltage	Wire Length	†Colors	1	5
2130917	24	7x32	60V	0-1=32', 2-9=16'	0-9	$12.95	$11.95
2187876	24 ℛ	7x32	300V	0-1=32', 2-9=16'	0-9	11.95	10.95
2206264	22 ℛ*	7x30	300V	25'	0-5	17.95	15.95
2206272	22 ℛ*	7x30	300V	100'	0-5	36.95	32.95
2153705	22 ℛ*	Solid	600V	25'	0-5	16.95	14.95
2159189	22 ℛ	Solid	600V	100'	0-5	36.95	32.95
2183752	22 ℛ*	Solid	600V	100'	0-5	39.95	35.95
2206281	18 ℛ*	16x30	300V	25'	0-5	24.95	21.95

†0=Black, 1=Red, 2=White, 3=Green, 4=Yellow, 5=Blue, 6=Brown, 7=Orange, 8=Violet, 9=Gray
*Includes dispenser box

Kynar™ Wire-Wrap Wire – 30 AWG

★ *Web Code: NAC*

- Polyvinylidene fluoride insulation • Used for prototyping
- Silver plated copper (solid conductor) • UL 1423
- Temperature: -40°C to +125°C • Passes UL VW-1 flame test
- Wire wrap tools, pg 132 • See pg 14 for sockets

100 Foot Reel		Pricing		1000 Foot Reel		Pricing	
Part No.	Color	1	5	Part No.	Color	1	5
22542	Blue ℛ	$11.95	$10.95	22551	Blue ℛ	$64.95	$59.95
22577	Black ℛ	11.95	10.95	22585	Black ℛ	69.95	64.95
22631	Red ℛ	11.95	10.95	22649	Red ℛ	69.95	64.95
22665	White ℛ	11.95	10.95	22673	White ℛ	69.95	64.95
22606	Green ℛ	11.95	10.95	22614	Green ℛ	69.95	64.95
22700	Yellow ℛ	11.95	10.95	22702	Yellow ℛ	69.95	64.95

1/4-Lb. Magnet Wire

JAMECO ValuePro ★ *Web Code: MGT*

Excellent Windability!

- Solid bare copper conductor
- Polyurethane/polyamide (nylon) insulation
- Solderable @ 806°F/430°C (14-24 AWG), 680°F/360°C (25-40 AWG)

Part No.	Gauge	Nom. O.D	Length (ft.)	Temp. Range	1	5	25
2119363	30 AWG ℛ	.0109"	825	-30˚ – 155˚C ..	$9.95	$8.95	$7.95
2119355	28 AWG ℛ	.0136"	520	-30˚ – 155˚C	9.49	8.49	7.59
2119347	26 AWG ℛ	.0169"	328	-30˚ – 155˚C	8.95	7.95	7.25
2098419	24 AWG ℛ	.0213"	205	-30˚ – 130˚C	8.49	7.49	6.79
2098401	22 AWG ℛ	.0265"	129	-30˚ – 130˚C	7.95	6.95	6.25
2098398	20 AWG ℛ	.0334"	81	-30˚ – 130˚C	7.49	6.75	5.95
2098380	18 AWG ℛ	.0418"	51	-30˚ – 130˚C	7.25	6.49	5.79
2098371	16 AWG ℛ	.0524"	32	-30˚ – 130˚C	6.95	6.25	5.49

Modular Telephone Cable – 28 AWG

JAMECO ValuePro ★ *Web Code: LCG*

- Color coded conductors
- Flat modular cable
- 7 x 43 stranded
- PVC jacket • Gray

Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	5	10
644666	300-840SL-100	4	100	$6.95	$6.49	$5.95
644674	300-840SL-1000	4	1000	54.95	49.95	44.95
644691	300-860SL-100	6	100	9.95	8.95	7.95
644703	300-860SL-1000	6	1000	74.95	69.95	66.95

Twisted Paired Cable – 24 AWG

JAMECO ValuePro ★ *Web Code: EBC*

- PVC insulation • Reduced EMI
- Use for hook-up wire • 80°C
- Stranded tinned wire (7 x 32) • 300 V

100 Foot Reel		Pricing		1000 Foot Reel		Pricing	
Part No.	Color	1	5	Part No.	Color	1	5
173164	Black/white ℛ	$9.95	$9.49	173172	Black/white ℛ	$84.95	$79.95
105912	Green/white ℛ	9.95	9.49	105807	Green/white ℛ	79.95	74.95
173148	Red/white ℛ	9.95	9.49	173156	Red/white ℛ	99.95	94.95

Wire Jumper Kits, see page 141

For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Wire & Cable

BELDEN | JAMECO ValuePro | Coaxial Cable | *★Web Code: CLC*

Common Coax Cables: RG-#/U (RG = Radio Grade; U = Universal)
RG-59: Baseband video in CCTV, low shielding, 75Ω

RG-58: Radio communication, amateur radio, 50Ω
RG-174: Wi-Fi pigtails, more flexible but higher loss than RG-58, 50Ω

• Color: black   • PVC jacket   • A = Polyethylene insulated

Part No.	⊛Mfr.	Product No.	Fig.	Length	AWG	Type	Nom. Imp (Ω)	Insul.	Bare Copper	Braid Shield	Pricing 1	Pricing 5
2124146	JVP	4449-100ℛ	1	100' Reel	19 Stranded	RG58A/U	50	A	0.036"	95	$34.95	$32.95
644754	JVP	RG58/U-100	2	100' Reel	20 Solid	RG58/U	50	A	0.015"	38	21.95	20.95
232961	BDN	8281 010100	4	100' Reel	20 Solid	RG59/U	75	A	0.031"	98	59.95	49.95
232653	BDN	9259 010100ℛ	3	100' Reel	22 Stranded	RG59/U	75	A	0.030"	95	39.95	37.95
644818	JVP	RG174/U-100	1	100' Reel	26 Stranded	RG174/U	50	A	0.020"	98	21.95	19.95
644826	JVP	RG174/U-1000	1	1000' Reel	26 Stranded	RG174/U	50	A	0.020"	98	179.95	169.95

Fig. 1
Fig. 2
Fig. 3
Fig. 4

BELDEN | JAMECO ValuePro | Multi-Conductor Cable | *★Web Code: MCC*

Part No.	⊛Mfr.	Product No.	Fig.	AWG (stranded)	# of Cond.	Length	Jacket	Wire Color	Insul.	Nom. O.D.	Pricing 1	Pricing 5
732996	BDN	8442 060100ℛ	1	22[1]	2	100' Reel	Chrome/PVC	Black, Red	A	0.170"	$36.95	$34.95
733008	BDN	8442 060500ℛ	1	22[1]	2	500' Reel	Chrome/PVC	Black, Red	A	0.170"	149.95	134.95
734054	BDN	8442 060U1000ℛ	1	22[1]	2	1000' Unreel	Chrome/PVC	Black, Red	A	0.170"	279.95	269.95
733024	BDN	8443 060100ℛ	2	22[1]	3	100' Reel	Chrome/PVC	Black, Red, Green	A	0.172"	44.95	39.95
733032	BDN	8443 060500ℛ	2	22[1]	3	500' Reel	Chrome/PVC	Black, Red, Green	A	0.172"	207.95	197.95
733059	BDN	8444 060100ℛ	3	22[1]	4	100' Reel	Chrome/PVC	Black, Red, White, Green	A	0.185"	53.95	49.95
733067	BDN	8444 060500ℛ	3	22[1]	4	500' Reel	Chrome/PVC	Black, Red, White, Green	A	0.185"	249.95	229.95
2119494	JVP	5411-100ℛ	4	22[1]	5	100' Cable	Gray/PVC	Blk, Red, Wh, Grn, Brn	A	0.190"	44.95	42.95
733083	BDN	8445 060100ℛ	4	22[1]	5	100' Reel	Chrome/PVC	Blk, Red, Wh, Grn, Brn	A	0.194"	84.95	79.95
2119558	JVP	5578-100ℛ	5	18/20 drain wire[3]	3	100' Reel	Chrome/PVC	Black, Red, White	B	0.230"	49.95	44.95
733201	BDN	8770 060100ℛ	5	18/20 drain wire[2]	3	100' Reel	Chrome/PVC	Black, Red, Clear	B	0.246"	89.95	79.95
2119531	JVP	5576-100ℛ	5	22/22 drain wire[3]	3	100' Reel	Gray/PVC	Black, Red, White	B	0.190"	29.95	28.49
644383	JVP	SC4-25ℛ	6	24 drain wire[3]	4	25' Reel	Gray/PVC	Multi-Colored	A	0.200"	7.95	7.49
644391	JVP	SC4-100ℛ	6	24 drain wire[3]	4	100' Reel	Gray/PVC	Multi-Colored	A	0.200"	29.95	26.95
644404	JVP	SC4-1000ℛ	6	24 drain wire[3]	4	1000' Reel	Gray/PVC	Multi-Colored	A	0.200"	219.95	199.95
644412	JVP	SC-925ℛ	6	24 drain wire[3]	9	25' Unreel	Gray/PVC	Multi-Colored	A	0.230"	15.95	14.35
644421	JVP	SC9-100ℛ	6	24 drain wire[3]	9	100' Reel	Gray/PVC	Multi-Colored	A	0.230"	44.95	39.95
644439	JVP	SC9-1000ℛ	6	24 drain wire[3]	9	1000' Reel	Gray/PVC	Multi-Colored	A	0.230"	349.95	329.95
644447	JVP	SC15-25ℛ	6	24 drain wire[3]	15	25' Unreel	Gray/PVC	Multi-Colored	A	0.280"	24.95	22.95
644455	JVP	SC15-100ℛ	6	24 drain wire[3]	15	100' Reel	Gray/PVC	Multi-Colored	A	0.280"	53.95	48.95
644463	JVP	SC15-1000ℛ	6	24 drain wire[3]	15	1000' Reel	Gray/PVC	Multi-Colored	A	0.280"	399.95	379.95
644471	JVP	SC25-25ℛ	6	24 drain wire[3]	25	25' Unreel	Gray/PVC	Multi-Colored	A	0.370"	29.95	26.95
644480	JVP	SC25-100ℛ	6	24 drain wire[3]	25	100' Reel	Gray/PVC	Multi-Colored	A	0.370"	94.95	89.95
2006377	JVP	SC25-500ℛ	6	24 drain wire[3]	25	500' Unreel	Gray/PVC	Multi-Colored	A	0.370"	429.95	399.95
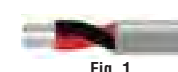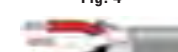
Fig. 1
Fig. 2
Fig. 3
Fig. 4
Fig. 5
Fig. 6

1 = Unshielded
2 = Overall Beldfoil Shield
3 = 100 Aluminum/ Mylar Shield 100%

A = PVC   B = Polyethylene
Blk = Black   Brn = Brown
Grn = Green   Wh = White

BELDEN | JAMECO ValuePro | Paired Cable | *★Web Code: HCS*

Part No.	⊛Mfr.	Product No.	Fig.	AWG/Drain Wire	# of Pairs	Length	Jacket	Wire Color	Insul.	Pricing 1	Pricing 5
2119515	JVP	5574-100ℛ	1	18 / 24	1	100' Reel	Chrome/PVC	Black/White	A	$41.95	$37.95
733112	BDN	8451 010100ℛ	2	22 / 22	1	100' Reel	Black/PVC	Black/Red	B	27.95	25.95
734063	BDN	8451 010U500ℛ	2	22 / 22	1	500' Unreel	Black/PVC	Black/Red	B	129.95	119.95
734180	BDN	8723 060100ℛ	3	22 / 24	2	100' Reel	Chrome/PVC	Black/Red, Green/White	B	54.95	49.95
734184	BDN	8723 060U500ℛ	3	22 / 24	2	500' Unreel	Chrome/PVC	Black/Red, Green/White	B	249.95	224.95

Fig. 1
Fig. 2
Fig. 3

A = Polyethylene
B = Polypropylene

JAMECO ValuePro | 2-Conductor Power/ Speaker Cable | *★Web Code: VAL*

• Black wire w/ white polarity stripe
• Temp. rating: 20°C to 60°C   • 24 AWG
• Stranded copper wire (7 x 32)
• Operating voltage: 300V

Part No.	Cross Ref. No.	Length	1	5	10
100280	CAR45B-100ℛ	100'	$7.95	$7.49	$6.95
100299	CAR45B-1Kℛ	1000'	59.95	54.95	49.95

BELDEN | 12 AWG Speaker Cable

• 12 AWG stranded (65x30)
• Electrolytic Tough Pitch (ETP) high-conductivity copper
• Parallel Zip construction; 1 tinned, 1 bare copper
• Nominal outer diameter: 0.185" x 0.37"

Part No.	Mfr. Part No.	Length	Color	1	5
232629	9718 368100	100' Reel	Clear	$49.95	$46.95

⊛ BDN = Belden | JVP = Jameco ValuePro

Zip Automotive Speaker Cable

• Good for automotive or language labs
• High definition, low loss
• Red/black color coded PVC
• Voltage: 300VAC, 60VDC

JAMECO ValuePro | NEW MARKED IN PINK

2173845

Part No.	AWG	Strands	Length	1	5
2173845	18ℛ	16 x 30	100'	$29.95	$26.95
2206299	18ℛ	16 x 30	25'	7.95	6.95
2206301	16ℛ	19 x 29	25'	9.95	8.95

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

28 AWG (7 x 36) Gray and Multicolor Flat Ribbon Cable

Gray Cable
- Insulation: polyvinyl chloride (PVC)
- Single edge red stripe for pin 1 orientation
- Center spacing: 0.05"

★ Web Code: WBX

Part No.	Cross Ref. No.	Conductors	Length	1	5	25
643794	171-10-10ℛ	10	10'	$3.49	$3.25	$2.95
643807	171-10-25ℛ	10	25'	7.49	6.75	5.95
643815	171-10-100ℛ	10	100' reel	21.95	19.95	17.95
643831	171-16-10ℛ	16	10'	4.95	4.49	3.95
643840	171-16-25ℛ	16	25'	11.95	10.95	9.95
643858	171-16-100ℛ	16	100' reel	34.95	31.49	27.95
643874	171-20-10ℛ	20	10'	5.95	5.49	4.95
643891	171-20-100ℛ	20	100' reel	44.95	39.95	35.95
643911	171-25-10ℛ	25	10'	6.95	6.49	5.95
643938	171-25-100ℛ	25	100' reel	54.95	49.95	44.95
643962	171-26-10ℛ	26	10'	8.49	7.49	6.75
643989	171-26-100ℛ	26	100' reel	59.95	53.95	48.95
644033	171-34-10ℛ	34	10'	10.95	9.95	8.95
644041	171-34-25ℛ	34	25'	17.95	16.95	15.95
644050	171-34-100ℛ	34	100' reel	64.95	59.95	53.95
644076	171-37-10ℛ	37	10'	11.95	10.95	9.95
644092	171-37-100ℛ	37	100 reel	69.95	62.95	56.95
644121	171-40-25ℛ	40	25'	29.95	26.95	23.95
644130	171-40-100ℛ	40	100' reel	79.95	69.95	62.95
644164	171-50-25ℛ	50	25'	34.95	31.49	28.49
644172	171-50-100ℛ	50	100' reel	89.95	79.95	74.95
644199	171-60-10ℛ	60	10'	15.95	13.95	12.95
644201	171-60-25ℛ	60	25'	36.95	33.95	29.95
644210	171-60-100ℛ	60	100' reel	109.95	99.95	89.95

Multicolor Cable
- Standard 10-color repeat sequence
- Voltage rating: 300V
- Center spacing: 0.05" • Stranded copper wire
- Temperature rating: -20°C to +80°C

★ Web Code: WCF

Part No.	Cross Ref. No.	Conductors	Length	1	5	25
639672	28RC10-10ℛ	10	10'	$5.95	$5.49	$4.95
643508	28RC10-25ℛ	10	25'	12.95	11.49	10.49
643516	28RC10-100ℛ	10	100' reel	39.95	35.95	32.49
643532	28RC16-10ℛ	16	10'	7.95	6.95	6.25
643541	28RC16-25ℛ	16	25'	18.95	16.95	14.95
643559	28RC16-100ℛ	16	100' reel	59.95	53.95	48.95
643575	28RC20-10ℛ	20	10'	10.95	9.95	8.95
643583	28RC20-25ℛ	20	25'	23.95	21.95	19.95
643591	28RC20-100ℛ	20	100' reel	74.95	67.49	59.95
643639	28RC25-100ℛ	25	100' reel	89.95	79.95	69.95
643698	28RC40-10ℛ	40	10'	19.95	17.95	15.95
643701	28RC40-25ℛ	40	25'	39.95	37.95	35.95
643719	28RC40-100ℛ	40	100' reel	139.95	125.95	113.95
643735	28RC50-10ℛ	50	10'	21.95	19.95	17.95
643743	28RC50-25ℛ	50	25'	44.95	42.95	39.95
643751	28RC50-100ℛ	50	100' reel	149.95	134.95	119.95

10-Conductor Flat Ribbon Cable – Gray

.100" (2.54mm) — 24AWG
- Capacitance: 31pF/m
- Insulation resis.: 100MΩ
- Temperature rating: 105°C • 10' roll
- Insulation material: 7mm polyvinyl chloride (PVC) gray

★ Web Code: WBX

Part No.	Cross Ref. No.	Conductor	Length	1	5	25
363813	H24G-10-10	10	10'	$9.95	$8.95	$7.95

Category 5e Network Cable

★ Web Code: KCG

Blue   **Gray**

24 AWG UTP Category 5e Enhanced - 350MHz (Non-Plenum)

Part No.	Cross Ref. No.	Length	Color	Description	1	5
645722	10X5-704TH-100VPℛ	100'	Blue	Solid	$16.95	$15.95
645731	10X5-704TH-1000VPℛ	1000'	Blue	Solid	129.95	119.95
644615	10X5-804TH-100ℛ	100'	Blue	Stranded	16.95	15.95
644623	10X5-804TH-1000ℛ	1000'	Blue	Stranded	129.95	119.95
644594	10X5-801TH-1000ℛ	1000'	Gray	Stranded	139.95	129.95

Network Cable Assemblies

★ Web Code: CAE

Category 5e
- 8P8C • 4 pair • Unshielded Twisted Pair (UTP) • 350 MHz • "Snagless" boot
- 24 AWG (7 x 43) stranded • T568B color coded for easy wire tracing

Part No.	Length	Color	1	10	100		Part No.	Length	Color	1	10	100
168292	3 ft.	Gray	$1.75	$1.59	$1.39		1945381	5 ft. ℛ	Blue	$1.95	$1.75	$1.65
201777	3 ft. ℛ	Red	1.59	1.45	1.29		2138708	7 ft. ℛ*	Blue	1.95	1.75	1.49
201785	7 ft.	Red	2.75	2.49	2.25		201742	7 ft. ℛ	Blue	2.75	2.49	2.25
201697	3 ft. ℛ	Black	1.75	1.59	1.39		1945401	10 ft. ℛ	Blue	2.95	2.75	2.49
201700	7 ft. ℛ	Black	2.75	2.49	2.25		201751	15 ft. ℛ	Blue	3.95	3.55	2.95
201718	15 ft.	Black	3.95	3.55	2.95		201814	3 ft. ℛ	Yellow	1.75	1.59	1.39
201726	25 ft. ℛ	Black	6.49	5.95	5.49		201822	7 ft.	Yellow	2.49	2.25	1.95
201734	3 ft.	Blue	1.75	1.59	1.39							

*Without "Snagless" boot

Category 6
- Gold over nickel contacts • With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable • 550 MHz
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 category 6

★ Web Code: BBK

Part No.	Length	Color	1	10	100		Part No.	Length	Color	1	10	100
219707	3 ft. ℛ	Gray	$2.25	$1.95	$1.75		219918	7 ft. ℛ	Red	$3.25	$2.95	$2.49
219854	3 ft. ℛ	Blue	2.25	1.95	1.75		219791	50 ft. ℛ	Black	14.95	13.49	11.95
219871	14 ft. ℛ	Blue	6.25	5.49	4.95							

Cat 5e Network Crossover Cable

★ Web Code: CAE

Category 5e – 350MHz
- Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- Strain relief RJ45 connectors
- 4-pair • 8P8C • UTP

Part No.	Length	Color	1	10	100
302041	7 ft.	Gray	$3.75	$3.35	$2.95
169261	10 ft.ℛ	Gray	5.95	5.35	4.79

5-Port Industrial Ethernet Switch
- Auto MDI/MDI-X crossover for plug-and-play
- Supports 10/100Mbps auto negotiation
- IEEE 802.3, 802.3u, 802.3x
- LED indicators for power, 10/100M, Link/Act
- DIN rail mountable

★ Web Code: CAK

Part No.	Mfr. Part No.	1	5
2129019	NS-205	$98.95	$93.95

Wire & Cable

★ For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Wire & Cable

JAMECO ValuePro — Modular Plugs

★ **Web Code: FBB**

P = No. of positions
C = No. of contacts

103491   79290   79273   79281   119343   116611

• Unshield except P/N 116602 & 116611

✳ **Order in multiples of 10**

Part No.	Mfr.	Description	Size (L" x W" x H")	UL	1	10	100	1000
103491	ValuePro	4P4C (N/A) for flat or oval handset wire	.49 x .30 x .26	None	✳	$.13	$.12	$.09
525085	AMP	4P4C for flat oval stranded wire	.53 x .46 x .26	None	.29	.25	.19	.17
79290	ValuePro	6P4C (RJ14) for round stranded wire	.49 x .38 x .26	UL94V-0	✳	.15	.13	.10
79273	ValuePro	6P6C (RJ12) for flat stranded wire	.49 x .38 x .26	None	.29	.25	.22	.19
79281	ValuePro	8P8C (RJ45) for flat stranded wire	.85 x .46 x .31	None	.45	.39	.35	.29
119343	ValuePro	8P8C (RJ45) for round solid wire	.85 x .46 x .31	None	.45	.39	.35	.29
524411	AMP	8P8C (RJ45) for round solid wire ℛ	.85 x .46 x .31	UL94V-2	.79	.75	.69	.59
524525	AMP	8P8C (RJ45) for round stranded wire ℛ	.84 x .46 x .31	UL94V-2	.79	.75	.69	.65
116602	ValuePro	8P8C (RJ45) for round stranded wire ℛ *	.85 x .46 x .31	UL94V-2	.95	.89	.79	.69
116611	ValuePro	8P8C (RJ45) for round stranded wire ℛ *	.87 x .46 x .33	UL94V-0	1.09	.99	.89	.79
180646	ValuePro	10P10C (RJ50) for round stranded wire	.85 x .46 x .31	None	.49	.45	.39	.35

*Shielded

AMP | JAMECO ValuePro — Modular Jacks

★ **Web Code: NEL**

115128   151766   124039   115837   524488   524461   1537416

Part No.	✳Mfr.	Description	Panel Mnt.	Size (L" x W" x H")	1	10	100
2178224	ADM	4P4C (N/A) side entry, std. latch, no panel stops, for handset ℛ	No	.51 x .39 x .57	$.39	$.35	$.29
115128	JVP	4P4C (N/A) side entry, std. latch, no panel stops, for handset ℛ	No	.51 x .40 x .57	.45	.39	.35
151766	JVP	6P4C (RJ14) side entry, std. latch, panel stops ℛ	Yes	.80 x .52 x .59	.65	.59	.55
124039	JVP	6P6C (RJ25) top entry, std. latch, panel stops, 6" leads ℛ	Yes	.54 x .59 x .72	1.25	1.09	.99
524277	AMP	6P6C (RJ25) top entry, std. latch, panel stops	Yes	.53 x .64 x .63	1.29	1.19	1.09
2178216	ADM	6P6C (RJ25) side entry, std. latch, panel stops ℛ	Yes	.59 x .56 x .57	.55	.49	.45
115837	JVP	6P6C (RJ25) side entry, std. latch, panel stops ℛ	Yes	.51 x .48 x .57	.85	.75	.65
524488	AMP	8P8C (RJ45) side entry, std. latch, no panel stops	Yes	.66 x .62 x .63	.95	.85	.75
2150740	JVP	8P8C (RJ45) side entry, std. latch, different pin layout ℛ	No	.59 x .52 x .57	.59	.49	.39
115844	ADM	8P8C (RJ45) side entry, std. latch, no panel stops	No	.52 x .62 x .58	.79	.69	.59
524461	AMP	8P8C (RJ45) side entry, std. latch, no panel stops, LP	Yes	.72 x .61 x .50	.79	.75	.69
2078258	JVP	8P8C (RJ45) side entry, std. latch, no panel stops, LP	No	.71 x .60 x .46	.39	.29	.25
203449	JVP	8P8C (RJ45) side entry, std. latch, no panel stops, shielded	No	.84 x .63 x .53	.89	.79	.75
1537416	KYC	8P8C (RJ45) side entry, std. latch, panel stops, LP	Yes	.72 x .60 x .50	.59	.49	.39
2144702	AMP	8P8C (RJ45) side entry, std. latch, panel stops shielded org/ylw LED	No	.59 x .64 x .45	.99	.89	.79
2178241	ADM	10P10C (RJ50) side entry, std. latch, no panel stops, shielded ℛ	No	.74 x .63 x .47	.99	.89	.79

JAMECO ValuePro — RS-232-to-Registered Modular Datacom Adapters

Simplify networking applications when changing your RS-232 port to an RJ11, RJ12 or RJ45 modular jack.

Includes: All necessary hardware and wiring

★ **Web Code: RDR**

66181   66237

*Black

Part No.	✳Mfr.	Description	1	10	100
66181	JVP	DB9 M to RJ12 (6P6C)	$1.75	$1.49	$1.35
66191	JVP	DB9 M to RJ45 (8P8C) ℛ	2.25	1.95	1.75
614977	GCE	DB9 M to RJ45 (8P8C)	2.49	2.25	1.95
614985	GCE	DB9 F to RJ11 (4P4C)	1.95	1.75	1.49
114738	JVP	DB9 F to RJ12 (6P4C) ℛ	1.95	1.75	1.59
66203	JVP	DB9 F to RJ12 (6P6C) ℛ	2.49	2.25	1.95

Part No.	✳Mfr.	Description	1	10	100
66212	JVP	DB9 F to RJ45 (8P8C) ℛ	$2.75	$2.49	$2.25
615005	GCE	DB9 F to RJ45 (8P8C)	2.75	2.49	2.25
66229	JVP	DB25 M to RJ12 (6P6C)	2.25	1.95	1.75
66237	JVP	DB25 M to RJ45 (8P8C)	1.85	1.69	1.49
2179420	SPC	DB25 M to RJ45 (8P8C) ℛ *	1.49	1.25	1.09
66254	JVP	DB25 F to RJ45 (8P8C) ℛ	1.85	1.69	1.49

✳ **ADM** = Adam Tech | **AMP** = AMP | **GCE** = GC Electronics | **JVP** = Jameco ValuePro | **KYC** = Kycon | **SPC** = SPC Technology

Order Filling Lead

DENNIS

"I remember a funny thing that happened when a duck got into the warehouse and found its way into one of the shipping carts."

29 Years of Service

JAMECO ValuePro — Modular Telephone/Printer Sharing Cable (Gray)

• RJ11 – 6P4C for telephone or network
• RJ11 – 6P6C for telephone or printer sharing
• RJ45 – 8P8C for telephone or modem dial-up use
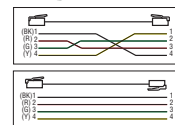
Style 1 – Reverse wiring for telephone systems
Style 2 – Straight wiring for networking/printer sharing

★ **Web Code: EBF**

Part No.	Conn. Style	Type	Length	Pricing		
				1	10	100
2125851	1 ℛ	RJ11-6P4C	6ft.	$.49	$.45	$.39
196227	1 ℛ	RJ11-6P4C	7ft.	1.75	1.59	1.39
115554	2 ℛ	RJ11-6P4C	7ft.	1.75	1.59	1.39
115588	1	RJ11-6P6C	7ft.	1.49	1.35	1.19
115617	2	RJ11-6P6C	7ft.	1.95	1.75	1.59
115677	2 ℛ	RJ45-8P8C	7ft.	1.49	1.35	1.19
201232	2	RJ11-6P4C †	35ft.	.99	.85	.69

† Beige

JAMECO ValuePro — Modular Couplers

Fig. 1
W: 1.5"
H: 0.9"
D: 0.7"

Fig. 2
W: 1.7"
H: 1.0"
D: 0.9"

★ **Web Code: XAH**

Straight wiring for networking/printer sharing

Part No.	Description	Fig.	Pricing		
			1	10	100
135087	6P6C modular coupler, RJ11	1	$1.09	$.99	$.89
135079	8P8C modular coupler, RJ45	1	1.39	1.25	1.15
153023	8P8C modular coupler, (for CAT 5) RJ45	2	7.95	7.15	6.45

AMP — 8P8C In-Line Couplers

• Panel mount thickness: 0.062" nominal
• Housing: black polyphenylene oxide
• Terminals: 0.018" diameter phosphor bronze with 50µ" gold over nickel
• Snaps into 0.595" x 0.765" rectangular wall plate cut-outs

Part No.	✳Mfr.	Mfr. Part No.	1	10	100
524445	AMP	555052-1 ℛ	$5.49	$4.95	$4.75
2160649	JVP	MCJ-88 ℛ	2.95	2.59	2.35

JAMECO ValuePro — RJ45-Plug Color Caps (Boots)

• Round strain relief
• Order in multiples of 10

★ **Web Code: JBG**

204410

Part No.	Color	10	100	500	1000
204410	Black ℛ	$.19	$.17	$.15	$.12
204353	Gray	.19	.17	.15	.12
204362	Blue ℛ	.19	.17	.15	.12

ARDUINO WiFi SHIELD

• Arduino Uno and Mega compatible
• Onboard micro-SD card slot
• Connects to 802.11b/g networks
• Micro USB connection

Part No.	Mfr. Part No.	1	5
2163786	A000058	$89.95	$86.95

Modular Jack Boxes

JAMECO ValuePro

Fig. 1 W: 2.0" H: 2.2" D: 0.9"

Fig. 2 W: 1.5" H: 2.4" D: 1.1"

★ *Web Code: UAM*

Part No.	Description	Fig.	Pricing 1	10	100
71984	6P6C adhesive jack RJ11 (beige)	1	$1.19	$1.05	$.89
71651	8P8C adhesive jack RJ45 (beige)	1	1.29	1.15	.99
2178312	8P8C adhesive jack RJ45 (single, white)ℛ	2	2.95	2.75	2.49

Keystone-Type RJ45 Jacks

JAMECO ValuePro

Modular Punchdown Type
- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 1.23"D x 0.63"H

★ *Web Code: MBV*

212944

Part No.	Description	Color	1	10	100
212951	8P8C (RJ45)	Blue	$2.95	$2.65	$2.39
212944	8P8C (RJ45)ℛ	White	2.95	2.65	2.39

EZ-RJ45 Category 5 Modular Plug

Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No wire bar and no wasted cable.
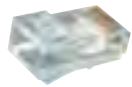
★ *Web Code: FBB*

Part No.	Mfr. Part No.	Description	1	10	100
158115	300568EZℛ	8P8C, CAT5	$1.75	$1.59	$1.45

Network Cable, see page 47

Professional Modular Connector Crimping Tool

- 6mm and 12mm stripping guide
- Spring return action
- Crimp modular plugs without changing dies
- Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
- Insulated handles
- Size: 8.2"L • Weight: 1.2 lbs.

Part No.	Mfr. Part No.	1	10	25
181148	HT200ℛ	$54.95	$49.49	$44.55

ARDUINO ETHERNET SHIELD

Now you can connect your Arduino Uno to your network with an Ethernet cable (sold separately) and control your world through the Internet.

- 10/100 Mbps
- Uses 5V supply from Uno
- W5100 controller with 16K buffer
- Connect with Arduino on SPI port
- PoE ready (PoE module sold separately)

Part No.	Mfr. Part No.	1	5
2152374	A000072	$37.95	$35.95

3" to 13" Nylon Cable Ties

JAMECO ValuePro

Standard
- Cable ties made from UL approved Nylon 66
- Temp. range: -40°C to +85°C
- Flammability rating: UL 94V-2
- Color: natural

70561

★ *Web Code: QAV*

Order in multiples of 100

Part No.	Size (L" x W")	Tensile Strength	100	1000
70561	3.0 x 0.10ℛ	18 lbs.	$.03	$.02
126544	4.0 x 0.10ℛ	18 lbs.	.04	.03
139150	8.0 x 0.10	18 lbs.	.05	.04
182669	8.0 x 0.13ℛ	18 lbs.	.06	.05
182685	8.0 x 0.18ℛ	18 lbs.	.07	.06
70907	6.0 x 0.14ℛ	40 lbs.	.08	.06
190756	10.0 x 0.14	40 lbs.	.09	.07
190772	11.0 x 0.19	40 lbs.	.10	.08
190764	13.0 x 0.14	40 lbs.	.11	.09

Weather Resistant (black)
- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use
- UL94V-2

104142

UV Resistant

Order in multiples of 100

Part No.	Size (L" x W")	Tensile Strength	100	1000
139125	3.0 x 0.10	18 lbs.	$.04	$.03
104142	4.0 x 0.10ℛ	18 lbs.	.05	.03
104134	6.0 x 0.10ℛ	40 lbs.	.08	.05
190782	8.0 x 0.13ℛ	40 lbs.	.11	.08
190800	10.0 x 0.14ℛ	40 lbs.	.18	.13
190802	13.0 x 0.14ℛ	40 lbs.	.19	.17

Cable Tie Assortment Kits
- Tensile strength: 18-50 lbs.
- UL94V-2

145701: 4"L x 0.1"W

150412: 500 pcs. (4"L x 0.1"W); 300 pcs. (8"L x 0.13"W); 50 pcs. (11"L x 0.18"W)

145701

Part No.	# of Pieces	# of Colors	1	5	25
145701	1000	10	$14.95	$13.49	$11.95
150412	850	5	22.95	20.95	18.95

Cable Tie Mounts & Cable Clamps

JAMECO ValuePro

- Tie mount and screw tab cable clamps
- Material: UL approved nylon 66, 94V-2

★ *Web Code: FBE*

Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6	Fig. 7
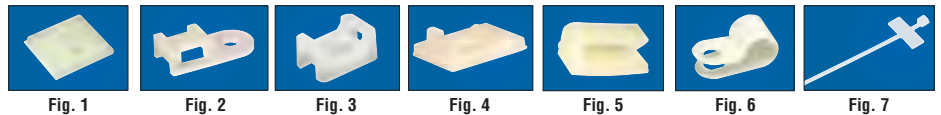
Order in multiples of 10

Part No.	Cross Ref. No.	Fig.	Description	10	100	1000
182942	0505HC-101Sℛ	1	4-way cable tie mount, self-adhesive, use w/ 0.18"W max. ties, .75"sq.	$.15	$.13	$.12
171214	HC-100ℛ	1	4-way cable tie mount, self-adhesive, use w/ 0.1"W max., 0.5" square	.16	.14	.13
71408	HC-101ℛ	1	4-way cable tie mount, self-adhesive, use w/ 0.1"W max., 0.9" square	.19	.17	.15
71395	HC-102ℛ	1	4-way cable tie mount, self-adhesive, use w/ 0.2"W max., 1.1" square	.25	.23	.19
71386	HC-103	1	2-way cable tie mount, self-adhesive, use w/ 0.2"W max., 1.1" square	.33	.29	.27
70595	HC-0ℛ	2	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	.19	.17	.15
173761	HC-1	3	Cable tie mount, saddle type, 0.14" screw hole, 0.6"L x 0.4"W, use w/ 0.2"W max. ties	.12	.11	.10
182301	0510HC-2ℛ	3	Cable tie mount, saddle type, 0.14" screw hole, 0.9"L x 0.6"W, use w/ 0.35"W max. ties	.17	.15	.14
182376	0519ATC-22	4	Ladder style releaseable cable tie w/ 2.8" strap, self-adhesive, 1.2"L x 0.85"W	.15	.12	.09
182334	0520FC-1	5	Cable tie mount, self-adhesive, 0.5"L x 0.4"W, use w/ 0.3"W max. ties	.21	.19	.16
173729	UC0.5	6	Cable clamp for 3/16" cable	.08	.06	.05
173737	UC1	6	Cable clamp for 1/4" cable	.11	.10	.09
71062	MCV-100Rℛ	7	Cable ID tie (4"L x 0.1"W) with tab (.98"W x .31"H)	.19	.17	.15

3M Wire Marker Tape Dispenser

Dispenser with ten refillable compartments for marking wire with numbers 0 to 9.
- Self-adhesive tapes
- Size: (tape) 96"L x 0.25"W
- 1 roll each numbered 0 to 9

Part No.	Mfr. Part No.	1	5
159231	STD-0-9	$46.95	$42.95

Universal Cable Tie Tool

JAMECO BenchPro

- 0.1" – 0.19" width cable ties
- Tension adjustable
- Spring return action • Metal

Part No.	Cross Ref. No.	1	5	10
182298	0302TG-7ℛ	$19.95	$18.49	$16.95

Round-Type Strain Relief Bushings

- UL approved nylon 66, 94V-2
- Used extensively for protecting cords and to prolong cord life
- Order in multiples of 10

JAMECO ValuePro

182369

Part No.	Cable Type	Length (in.)	10	100	1000
182351	SVI/SVT	.43	$.14	$.12	$.10
182369	SJ/SJT; 16 AWG	.58	.14	.12	.10

17" Self-Grip/Wrap Velcro Straps

- Wrap around anything and sticks to itself for fast, easy bundling
- Bundle cords, cables, wires, pipes, tubing and trees (landscaping)
- Grip on one side, loop on back
- Eliminates plastic tie wraps and hardware • Reusable
- Size: 17"L x 1/2"W (cut to your length)
- Color: black
- 12 pieces in pack

JAMECO ValuePro

Part No.	Description	1	10	20
2125325	Self-grip/wrap velcro	$5.95	$5.39	$4.95

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

Wire & Cable

3 LEVELS OF SAVINGS NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

FLEXO® Braided Sleeve

★ Web Code: ECQ

- Color: black
- Length: 25 feet
- Cut and abrasion resistant
- Maintains properties across wide temperature range
- UV resistant

Flexo® Clean-Cut Braided

- Dense braid structure provides fuller coverage
- Fray resistant when cut w/ scissors

Part No.	Mfr. Part No.	Min/Max Flex (in.)	Inside Dia. (in.)	Outside Dia. (in.)	1	5
162157	CCP0.25BK25𝓡	5/32 – 7/16	0.250	0.440	$15.95	$14.49
162165	CCP0.50BK25𝓡	1/4 – 3/4	0.500	0.750	17.95	15.95

Flexo® Pet Braided

- Braided from 10 mil polyethylene terepthalate monofilament yarns
- UL recognized component
- Conforms to FMVSS 302
- High tensile strength

Part No.	Mfr. Part No.	Min/Max Flex (in.)	Inside Dia. (in.)	Outside Dia. (in.)	1	5
693679	PTN0.25BK25𝓡	1/8 – 7/16	0.250	0.440	$8.95	$7.95
695383	PTN0.50BK25𝓡	1/4 – 3/4	0.500	0.550	11.95	10.95

47-Piece Wire Protecting Sleeve Kit

- VW-1 and 94V-2 flame resistance
- Operating temperature: -58°F to 257°F

Includes: Fiber-braided sleeves, heat shrink tubing, 30 black cable ties and 8 cable tie sockets

Part No.	Braided Sleeve Dia. (mm)	Heat Shrink Tubing Dia. x L (mm)	Ties (L" x W")	1	5
2204429	5-9, 9-10, 7-11 (1m ea.)	9 x 100, 12 x 100 (3 ea.)	3.9 x 0.1	$12.95	$11.95

Flat & Tubular Tinned Copper Braid

JAMECO ValuePro

These braids are used for sheilding cables and ground straps and as a protective braid covering for hoses and tubes.

- Woven wire construction
- 100 ft. spools
- 95% minimum shield coverage
- QQ-W-343 & ASTM B-33 Compliant

2124189   **2124154/2124162**

Part No.	Description	1	5	25
2124189	1/4" nominal width x .03" flat, 168 x 36 strand, approx. 14 AWG𝓡	$49.95	$47.49	$44.95
2124154	Tubular 1/4" nominal ID, 384 x 36 strand, approx. 10 AWG𝓡	79.95	74.95	69.95
2124162	Tubular 3/8" nominal ID, 384 x 36 strand, approx. 10 AWG𝓡	89.95	79.95	74.95

Heat Shrink Tubing Kits

3M JAMECO ValuePro

2:1 Shrink Ratio

★ Web Code: HST

A selection of heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C).

2095963		2095971		2095947		2204411		285481		645976	
Size	Pcs.	Size	Pcs.	Size	Pcs.	Size	Pcs.	Size	Pcs.	Size	Pcs.
1/16"	56	1/8"	12	1/16"	56	3/64"	130	3/16"	30	3/32"	35
3/32"	35	1/4"	10	3/32"	35	1/16"	130	1/4"	28	1/8"	28
1/8"	28	3/8"	6	1/8"	28	3/32"	125	3/8"	20	3/16"	21
3/16"	18	1/2"	4	3/16"	18	1/8"	85	1/2"	14	1/4"	21
1/4"	9	3/4"	3	1/4"	9	3/16"	85	3/4"	6	3/8"	14
3/8"	8	1"	2	3/8"	8	1/4"	85	1"	4	1/2"	14
						3/8	15				
						1/2	9				

2095971
2204411
645976

Part No.	Mfr.	Description	Pieces	Length	1	5
2095963	ValuePro	Black, assorted diameters	154	4" ...	$19.95	$17.95
2095971	ValuePro	Black, dual wall, moisture resistant	37	4"	22.95	19.95
2095947	ValuePro	Black/red/white/yellow/blue/green/clear	154	4"	22.95	19.95
2204411	RC Logger	Black/red/white/yellow/blue	664	†see below	39.95	36.95
285481	3M	Black, assorted diameters	102	6"	69.95	64.95
645976	3M𝓡	Black/red/white/yellow/blue/green/clear	133	6"	69.95	64.95

† 40/125/250mm

Heat Guns and Strippers

NTE MASTER

★ Web Code: QAJ

Weller® JAMECO BenchPro

2076578:
- CFM selectable
- Weight: 1.0 lb.
- Includes 4 attachments & case

2076501:
- No-slip adjustable stand
- Weight: 4.0 lbs.

191943:
- 3-pos. switch (hot/off/cool)

2076578   **2076501**   **191943**   **2007062**

Part No.	Mfr.	Product No.	Description	Watts	Heat Setting (°F)	Temp. (°F max.)	1	5
2117413	NTE	HG300-D𝓡	Mini heat gun	350	482-662	662	$21.95	$20.95
254925	BenchPro	1001A𝓡	Economical heat gun	1200	600 & 1000	1000	39.95	35.95
76865	BenchPro	G1HG1	Heat gun/stripper	1500	600 & 1100	1100	49.95	44.95
2076578	Master	EC-100K𝓡	Economical heat gun (7 & 9 CFM)	1200	500 & 1000	1000	54.95	49.95
2076501	Master	HG-501A𝓡	Industrial heat gun (23 CFM)	1680	750	750	149.95	139.95
191943	Weller	6996C𝓡	Industrial heat gun	250	750-800	800	142.95	134.95
2007062	BenchPro	1004𝓡	Accessory kit for 254925	—	—	—	11.95	10.95

Polyolefin Round Heat Shrink Tubing

alpha

FIT221/FIT221B Series

Insulation from environment and resistance from water, fungus, and UV light. Use for insulation and repair, wire and cable harnessing / bundling, cable and connector protection, and wire and tubing splicing and connecting.

419119

- Operating temp: -55°C to 135°C
- Shrinkage ratio: 2:1 @ 121°C
- Dielectric strength: 500V/mil (197kV/cm)
- Volume resistivity: $10^{14}\Omega$-cm

Clear (4-foot pieces)

★ Web Code: HST

Part No.	Mfr. Part No.	Before/After ID (in.)	1	10	100
419119	FIT221-3/64𝓡	.046/.023 ..	$1.09	$.99	$.89
419135	FIT221-1/16𝓡	.063/.031	1.19	1.09	.99
419231	FIT221-3/8𝓡	.375/.187	2.49	2.25	1.95
419258	FIT221-1/2𝓡	.500/.250	2.95	2.75	2.49
419274	FIT221-3/4𝓡	.750/.375	3.49	2.95	2.65
2113682	TT-72801𝓡	1.00/.500	3.95	3.55	3.19

Black (4-foot pieces)

Part No.	Mfr. Part No.	Before/After ID (in.)	1	10	100
419101	FIT221B-3/64𝓡	.046/.023	$1.09	$.99	$.89
419127	FIT221B-1/16𝓡	.063/.031	1.19	1.09	.99
419143	FIT221B-3/32𝓡	.093/.046	1.29	1.15	.99
419160	FIT221B-1/8𝓡	.125/.062	1.39	1.25	1.09
419186	FIT221B-3/16𝓡	.187/.093	1.69	1.49	1.35
419207	FIT221B-1/4𝓡	.250/.125	1.89	1.69	1.49
419223	FIT221B-3/8𝓡	.375/.187	2.25	1.95	1.75
419240	FIT221B-1/2𝓡	.500/.250	2.69	2.39	2.09
2192721	ESP200-3/4𝓡	.750/.375	3.95	3.59	3.25

Flat Black Heat Shrink Tubing

- 2:1 uniform shrink ratio
- Shrink temp.: 125°C
- VW-1 rated
- UL/CSA

JAMECO ValuePro Raychem KO-RALLY

Polyolefin Tubing

- Only sold in 10' & 100' lengths

Part No.	Dia. Before (mm)	Length (ft.)	1	10
644834	0.12" (3)𝓡	10	$2.49	$2.25
644851	0.12" (3)	100	15.95	13.95
644869	0.16" (4)	10	2.75	2.49
644877	0.16" (4)	100	17.95	15.95
644906	0.20" (5)	10	2.95	2.65
644914	0.20" (5)	100	19.95	17.95
644931	0.24" (6)	10	3.49	3.15
644949	0.24" (6)	100	24.95	21.95
2158371	0.29" (7.3)𝓡	164	34.95	29.95
644957	0.31" (8)	10	3.95	3.55
644965	0.31" (8)	100	31.95	27.95
644990	0.59" (15)	10	6.95	6.25
2179796	0.75" (19) 𝓡	100	79.95	64.95

Polyolefin Flexible Round Tubing

- Dielectric strength: 1300V
- Temp. range: -45°C to +125°C
- Flame retardant VW-1
- Color: black
- Precut 39" length (1 meter)

72063

Part No.	Dia. Before (mm)	1	10	100
71871	.079" (2.0)𝓡	$.79	$.69	$.59
71280	.098" (2.5)𝓡	.89	.79	.69
72063	.197" (5.0)	.99	.89	.79

𝓡 RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Wire & Cable

Audio/Video Cables and Adapters

Fig. 1 · **Fig. 2** · **Fig. 3** · **Fig. 4** · **Fig. 5**

Fig. 6 · **Fig. 7** · **Fig. 8** · **Fig. 9** · **Fig. 10**

Fig. 11 · **Fig. 12** · **Fig. 13** · **Fig. 14** · **Fig. 15**
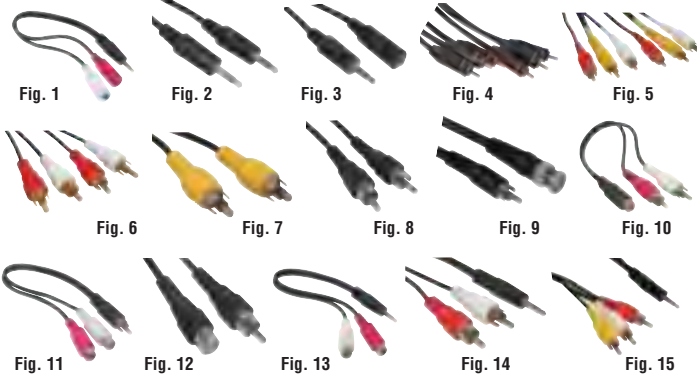
3.5mm Audio Splitter and Extension/Patch Cables

★ Web Code: JAU

Part No.	Fig.	Description	1	10	100
228398	1	6" 3.5mm stereo Y-cable **F** jacks (2) to **M** plug	$2.35	$2.09	$1.89
2174637	2	2' 3.5mm stereo **M** to **M** plug (black) ℛ	.95	.85	.75
228494	2	6' 3.5mm stereo **M** to **M** plug (black)	1.45	1.29	1.15
228515	3	6' 3.5mm stereo **M** plug to **F** jack (black)	2.35	2.09	1.89
228507	2	12' 3.5mm stereo **M** to **M** plug (black)	1.95	1.75	1.59
228523	3	12' 3.5mm stereo **M** plug to **F** jack (black)	2.49	2.25	1.95

RCA Audio/Video Patch Cables

★ Web Code: QAP

Part No.	Fig.	Description	1	10	100
2081852	4	6' RCA component video (3) **M** to (3) **M**	$3.95	$3.49	$2.95
228443	6	3' RCA stereo (2) **M** to (2) **M** plugs, gold plated	1.49	1.25	.95
183312	7	4' RCA **M** to **M** plug (black) ℛ	1.25	1.19	1.09
206974	7	4' RCA **M** to **M** plug (yellow) ℛ	1.19	1.09	.99
1949470	8	6' RCA **M** to **M** plug, gold plated	1.49	1.25	.95
106375	8	6' RCA **M** to **M** plug (black) ℛ	1.75	1.59	1.25
2082417	7	6' RCA **M** to **M** plug (yellow)	1.35	1.19	1.09
683059	9	6' RCA **M** BNC to **M** RCA cable (black)	3.95	3.49	2.95
228451	6	6' RCA stereo (2) **M** to (2) **M** plugs, gold plated	1.95	1.75	1.49
29349	7	10' RCA mono **M** to **M** plug (yellow) ℛ	2.25	1.95	1.75
225980	5	12' RCA (3) **M** to (3) **M** plugs, gold plated	3.49	3.15	2.95
228478	6	25' RCA stereo (2) **M** to (2) **M** plugs, gold plated	2.95	2.65	2.39

RCA Audio/Video Extension Cables

Part No.	Fig.	Description	1	10	100
228371	10	6' RCA (2) **M** plugs to RCA **F** jack	$1.49	$1.35	$1.19
228355	11	6' RCA **M** plug to RCA (2) **F** jacks	.95	.89	.85
228419	12	6' RCA mono **M** plug to **F** jack	1.25	1.09	.99

RCA to 3.5mm Audio Cables

Part No.	Fig.	Description	1	10	100
228380	13	6" RCA stereo (2) **F** jacks to 3.5mm stereo **M** plug	$1.95	$1.75	$1.59
228401	14	6' RCA stereo (2) **M** plugs to 3.5mm stereo **M** plug	1.95	1.75	1.59
2158274	15	6' RCA A/V (3) **M** plugs to 3.5mm **M** (4 pole) ℛ	2.65	2.39	2.15

DVI & High Definition Multimedia Interface (HDMI) Cables & Adapters

NEW MARKED IN PINK · ★ Web Code: DEM

HDMI provides an interface between any audio/video source, such as set-top box, DVD players, A/V receivers, audio/video monitors, DTV, HDTV, and plasma monitor.

Fig. 1 · **Fig. 2** · **Fig. 3** · **Fig. 4**

Fig. 5 · **Fig. 6** · **Fig. 7** · **Fig. 8**
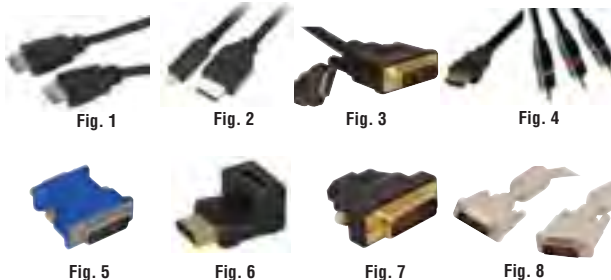
Part No.	Fig.	Product No.	Description	1	5	25
1944142	1	10HM-01128-01 ℛ	HDMI male to male, 1 meter	$8.95	$7.95	$6.95
2205421	1	E057319000 ℛ	HDMI male to male, 1.5 meters	4.95	4.49	3.95
1944151	1	10HM-01128-02 ℛ	HDMI male to male, 2 meters	9.95	8.95	7.95
2145131	1	PCM-2295-03M ℛ	HDMI male to male, 3 meters	10.95	9.95	8.95
1944169	1	10HM-01128-05 ℛ	HDMI male to male, 5 meters	12.95	11.95	10.95
2187833	2	HDMI-3-MICRO ℛ	HDMI male to micro HDMI male, 3 ft.	7.95	6.95	5.95
2187841	2	HDMI-6-MICRO ℛ	HDMI male to micro HDMI male, 6 ft.	9.95	8.95	7.95
1944185	3	10HM-15128-02 ℛ	HDMI male to DVI-D single link, 2 meters	10.95	9.95	8.95
2145140	3	PCM-2296-03M ℛ	HDMI male to DVI-D single link, 3 meters	12.95	11.95	10.95
2172922	4	HDMI-6001 ℛ	HDMI male to RCA comp video 2 meter	9.95	8.95	7.95
2192536	5	E27334-001 ℛ	VGA-F to DVI-A, male adapter	6.95	5.95	4.95
2207603	6	528-001 ℛ	HDMI right angle adapter	7.95	7.49	6.95
1944214	7	30HM-15328-MO ℛ	HDMI female to DVI-D dual link	6.95	5.95	4.95
320346	8	5313118067F0	DVI single link cable, 2 meters	3.95	3.49	2.95
1944265	8	10DV-07103-G ℛ	DVI dual link cable, 3 meters	10.95	9.95	8.95

RCA Audio Adapters & Couplers

★ Web Code: KBQ

Part No.	Manufacturer	Product No.	Description	1	10	100
228283	ValuePro	251-120	RCA **F** jack to mono 1/4" **M** plug	$.69	$.59	$.55
228267	ValuePro	251-116	RCA **F** to **F** jack coupler, gold plated	.59	.55	.49

228283 · **228267**

Microphone (XLR) Connectors

Switchcraft · ★ Web Code: ABV

Part No.	Manufacturer	Product No.	Fig.	Description	Dimensions (mm)	1	10	25
277026	Switchcraft	A3F ℛ	1	3-pin female, straight cord plug w/ latchlock	81.8 x 19 Dia.	$6.49	$5.95	$5.49
319003	ValuePro	250-720	1	3-pin female, straight cord plug w/ latchlock	81.5L x 7.43D	2.25	1.95	1.75
281560	Switchcraft	A3M ℛ	2	3-pin male, straight cord plug, latch holder	70.6 x 19 Dia.	4.55	3.95	3.65
319011	ValuePro	250-710	2	3-pin male, straight cord plug, latch holder	70.6L x 7.31D	2.95	2.65	2.39
281640	Switchcraft	D3F ℛ	3	3-pin female, metal, panel mount, latchlock	27.0W x 36.3H X 30.6D	4.95	4.49	3.95
319038	ValuePro	250-705	3	3-pin female, metal, panel mount, latchlock	26.2W x 35.5H x 35.9D	3.95	3.49	2.95
281658	Switchcraft	D3M ℛ	4	3-pin male, metal, panel mount, latch holder	22.1W x 36.3H x 22.9D	4.49	3.95	3.49
1774711	Switchcraft	PQG3M5T111 ℛ	5	3-pin male, plastic panel mount, PCB term.	27.1W x 30.0H x 19D	2.95	2.59	2.29
281594	Switchcraft	A4M ℛ	6	4-pin male, straight cord plug, latch holder	70.6L x 19Dia.	6.95	6.49	5.95

Fig. 1 · **Fig. 2** · **Fig. 3**

Fig. 4 · **Fig. 5** · **Fig. 6**

ALL YOUR POWER CORD NEEDS

2 & 3 Conductor Fan, Pigtail, Detachable & Hospital Grade Power Cords
at Industry Low Prices! See page 105 for complete selection.

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
NAME BRANDS · HOUSE BRANDS · SPECIAL BUY

Interconnects

Switchcraft® — JAMECO ValuePro — Stereo, Phone, Audio Plugs & Jacks

★ Web Code: AJS

❋ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Description	Dimensions (mm)	1	10	100
101152	ValuePro	PJ1035ℛ	1	3.5mm mono audio plug, plastic	53L x 3.9 ID	$.69	$.59	$.49
2200954	ValuePro	JR1037	1A	3.5mm audio plug, 4-position, plastic	47.8L x 4.5 ID	1.95	1.75	1.49
231160	ValuePro	PJ1035ℛ	2	3.5mm mono audio plug, metal	43.7L x 4.27 ID	1.49	1.25	.99
231176	ValuePro	AP340ℛ	1	3.5mm stereo audio plug, plastic	53L x 4.12 ID	.79	.69	.55
231167	ValuePro	AP343	2	3.5mm stereo audio plug, metal	52.4L x 4.25 ID	1.49	1.25	.99
281869	Switchcraft	750ℛ	3	3.5mm mono audio plug, plastic	41.5L x 5.7 ID	4.25	3.95	3.75
281754	Switchcraft	250ℛ	4	1/4" mono phone audio plug, plastic	73.7L x 7.6 ID	3.95	3.59	3.19
281789	Switchcraft	297ℛ	5	1/4" stereo phone audio plug, metal	73.7L x 7.6 ID	4.95	4.49	3.95
281771	Switchcraft	280ℛ	6	1/4" mono phone audio plug, metal	73.7L x 7.6 ID	4.49	3.69	3.25
229921	ValuePro	JR1625BLK	7	RCA plug, plastic, black (5 pk)	51.5L x 5.0 ID	1.65	1.49	1.35
229930	ValuePro	JR1625	8	RCA plug, plastic, red (5 pk)	51.5L x 5.0 ID	1.65	1.49	1.35
281800	Switchcraft	3502ℛ	9	RCA phone audio plug, metal	33.8L x 5.0 ID	2.49	2.19	1.95
2125579	ValuePro	3502-1	10	RCA phone audio plug, nickel	34.5L x 7.2ID	1.49	1.35	1.19
2081238	Shogyo	SCJ330 **2**	11	3.5mm mono audio jack, panel mount	10.6H x 9.0W x 21.7L	1.95	1.75	1.49
2095054	ValuePro	J355W **1**	11	3.5mm stereo audio jack, panel mt., terminal	10.1H x 8.4W x 17.6L	1.49	1.15	.99
281834	Switchcraft	41ℛ	12	3.5mm audio jack, panel mount, terminal	7.8L x 5.9 Dia.	2.95	2.59	2.29
2161529	ValuePro	PJ-3065AMℛ **1**	13	3.5mm stereo jack, rt. angle horz., threaded†	6.0H x 11.0W x 8.0L	1.15	.99	.89
568392	Switchcraft	35RAPC4BH3ℛ **1**	13	3.5mm stereo jack, rt. angle horz., threaded†	6.0H x 11.0W x 8.0L	1.95	1.75	1.49
1766180	Switchcraft	35RAPC4BHN2ℛ	13	3.5mm stereo jack, rt. angle horz., non-threaded	5.0H x 12.0W x 15.0L	1.45	1.29	1.19
2081334	Shogyo	354-3PY **5**	13	3.5mm mono jack, rt. angle horz., non-threaded	6.1H x 11.9W x 12.0L	.99	.79	.59
2100291	ValuePro	354-PY (CT) **1**	14	3.5mm mono jack, rt. angle horz., threaded	6.45H x 11.7W x 14.3L	1.09	.89	.69
2168131	Adam Tech	ASJℛ	15	3.5mm stereo jack, rt. angle horizontal mount	6.0H x 12.0W x 14.0D	.59	.55	.49
2177740	ValuePro	DTJ-0366ℛ	16	3.5mm stereo jack, rt. angle horz., non-threaded	10.45H x 12.0W x 6.8L	.89	.75	.65
2168149	ValuePro	ASJ-5-3ℛ	17	3.5mm stereo jack, rt. angle ver., non-threaded, PCB	12.3H x 8.1W x 14.0L	❋	.22	.17
2161537	ValuePro	PJ-3066AMℛ **1**	17	3.5mm mono jack, rt. angle ver., threaded	11.6H x 7.7W x 14.0L	.89	.75	.65
1766121	Switchcraft	35RAPC2AVℛ **1**	17	3.5mm mono jack, rt. angle ver., threaded	11.6H x 7.7W x 14.0L	1.25	1.19	1.09
2161553	ValuePro	PJ-3064AMℛ **1**	17	3.5mm stereo jack, rt. angle ver., threaded	12.3H x 8.1W x 14.0L	1.25	1.09	.95
1766198	Switchcraft	35RAPC4BV4ℛ **1**	17	3.5mm stereo jack, rt. angle ver., threaded	12.3H x 8.1W x 14.0L	2.25	1.95	1.75
2095373	ValuePro	HTJ-035-22D	18	3.5mm mono jack, rt. angle horz., non-threaded, blk.	10.45H x 10.0W x 14.0L	.89	.79	.69
2201607	ValuePro	PJ31640	30	3.5mm audio jack, 4-pos., panel mount	16.35L x 8.0D	2.25	1.95	1.59
2180842	Switchcraft	838	19	1/4" mono phone jack, in-line	54.4L x 18.7D	4.95	4.49	3.95
2161490	ValuePro	JR-1804ℛ **3**	20	1/4" mono phone audio jack, 2-pos., single open	12.8L x 9.1" Dia.	1.09	.99	.89
281738	Switchcraft	11ℛ **4**	20	1/4" mono phone audio jack, 2-pos., single open	12.8L x 9.1 Dia.	1.95	1.75	1.59
2161502	ValuePro	JR-1803ℛ **3**	21	1/4" mono phone audio jack, 2-pos., single closed	31.7L x 9.4 Dia.	1.35	1.19	1.09
2161140	ValuePro	JR-1802ℛ **3**	21	1/4" stereo phone audio jack, 3-pos., double open	14.7L x 9.1 Dia.	1.35	1.19	1.09
281746	Switchcraft	12Bℛ **4**	21	1/4" stereo phone audio jack, 3-pos., double open	14.7L x 9.1 Dia.	2.95	2.59	2.29
1774016	Switchcraft	MN12B	22	1/4" mono phone jack, 3 cond. plastic bushing	19.9L x 15.7W x 15.7H	2.49	2.25	1.95
2178646	Switchcraft	MNS112B	22	1/4" mono phone jack, 3 cond, plastic bushing	19.9L x 15.7W x 15.7H	2.95	2.59	2.39
297537	Switchcraft	N111ℛ	22	1/4" mono phone jack, 2 Conn.	19.8L x 15.6W x 15.6H	1.95	1.75	1.49
1775254	Switchcraft	SN37A12Bℛ	23	1/4" mono phone jack, right angle, PCB	27.6L x 15.6W x 15.0H	1.75	1.49	1.25
2120209	ValuePro	STJ-25ℛ	24	1/4" stereo phone audio jack, shielded, threaded	20.8L x 16.7W x 16.5H	1.69	1.49	1.35
220581	ValuePro	KY-006-1(W)	25	RCA jack, PCB mount, white, metal	11.2H x 14.2W x 12.2L	.59	.55	.49
220556	ValuePro	KY-006-1(R)	25	RCA jack, PCB mount, red, metal	11.2H x 14.2W x 12.2L	.59	.55	.49
220572	ValuePro	KY-006-1(B)	25	RCA jack, PCB mount, black, metal	11.2H x 14.2W x 12.2L	.59	.55	.49
220564	ValuePro	KY-006-1(Y)	25	RCA jack, PCB mount, yellow, metal	11.2H x 14.2W x 12.2L	.59	.55	.49
2076359	ValuePro	AJ842G3	26	RCA jack, PCB mount, rt. angle, red/white/yellow (3)	40.6H x 22.9W x 21.6L	.55	.49	.45
319249	Velleman	CA066	27	RCA jack, 2 pair stereo, panel mount, red/white	73.7H x 12.2W x 24.9L	.95	.85	.75
159485	ValuePro	CS7021-DN-BLK-Rℛ **5**	28	RCA jack, panel mount, black	21.3W x 9.7H	.95	.85	.75
172340	ValuePro	CS7021-DN-RD-Rℛ **5**	28	RCA jack, panel mount, red	21.3W x 9.7H	.85	.75	.69
2187884	ValuePro	RJ2606	29	Speaker terminal board, 4-pos., pushbutton	76.2H x 25.4W x 31.8D	1.95	1.69	1.29
2123469	GC/Waldom	33-1404ℛ	29	Speaker terminal board, 4-pos., pushbutton	76.2H x 25.4W x 31.8D	2.25	1.95	1.75

Additional panel mounting hardware – **1** 2183218, **2** 2182602, **3** 2182709, **4** 2182611, **5** 2183349 (includes washer & nuts), see module below

† Closed circuit

Fig. 1 — Fig. 1A
Fig. 2 — Fig. 3 — Fig. 4
Fig. 5 — Fig. 6 — Fig. 7
Fig. 8 — Fig. 9 — Fig. 10
Fig. 11 — Fig. 12 — Fig. 13
Fig. 14 — Fig. 15 — Fig. 16
Fig. 17 — Fig. 18 — Fig. 19
Fig. 20 — Fig. 21 — Fig. 22
Fig. 23 — Fig. 24 — Fig. 25
Fig. 26 — Fig. 27 — Fig. 28
Fig. 29 — Fig. 30

JAMECO ValuePro — Panel Mounting Hardware for Plugs and Jacks

★ Web Code: PAM

Part No.	Ref. #	Description	1	10
2183218	1	M6 x 0.50"; (1) flat washer, (2) hex nuts	$.69	$.59
2182602	2	M8 x 0.75"; (1) flat washer, (2) hex nuts	.69	.59
2182709	3	M9 x 0.75"; (1) flat washer, (2) hex nuts	.79	.69
2182611	4	3/8-32 NEF thread; (1) internal tooth washer, (2) hex nuts	.79	.69
2183349	5	1/4-32 thread; (1) internal tooth washer, (2) hex nuts	.69	.59

2183218 — 2182602 — 2182709 — 2182611 — 2183349

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Interconnects

AMP **Amphenol Connex** **D-Subminiature Connectors**

JAMECO ValuePro

Right Angle PCB Mount
★ **Web Code: ESO**

Metal .318" Setback – Tin plated short style

15150

Female Jack Screws

※ Order in multiples of 10

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
1952839	Foxconn	D-SUB-9M†	9	M	$.55	$.45	$.35
104943	ValuePro	DB9P318𝓡	9	M	.85	.75	.65
2178540	JST	JSEY9P3B6L19-13§	9	M	.99	.89	.79
104952	ValuePro	DB9S318𝓡	9	F	.85	.75	.65
71124	ValuePro	DA15P318𝓡†	15	M	.85	.75	.65
71125	ValuePro	DA15P318𝓡	15	M	.95	.85	.75
1952273	Kycon	HDDSUB-15S†*	15	F	※	.09	.08
77956	ValuePro	DA15S318	15	F	.95	.85	.75
2145001	ValuePro	PT285805-15††	15	F	.45	.35	.29
71466	ValuePro	HDDB15S318𝓡*	15	F	.99	.89	.79
15150	ValuePro	DB25P318𝓡	25	M	1.09	.99	.89
15182	ValuePro	DB25S318𝓡	25	F	1.09	.99	.89
2178558	JST	JSBY25S3B6L19-13§	25	F	.99	.89	.79
71706	ValuePro	DC37P318†	37	M	.89	.79	.69
78183	ValuePro	DC37S318𝓡†	37	F	1.25	1.09	.95

*High Density † Without female jack screws †† Non-removable jack screws § SMT

Right Angle PCB Mount
★ **Web Code: HAN**

Metal .590" Set Back – Tin plated long style
- Current rating: 1A

104978

※ Order in multiples of 10

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
104970	ValuePro	DB9P590𝓡	9	M	$1.09	$.99	$.89
2180981	JST	JKEY9S3D13	9	F	.99	.89	.79
104978	ValuePro	DB9S590𝓡	9	F	1.09	.99	.89
104985	Astron	DA15P590†	15	M	※	.09	.08
104993	ValuePro	DA15S590†	15	F	※	.09	.08
189624	ValuePro	DB25P590††	25	M	※	.09	.08
105013	ValuePro	DB25S590†	25	F	1.09	.99	.89
2135056	ValuePro	1011-25A-R𝓡	25	F	.89	.79	.69

† Without female jack screws †† Without board tabs

IDC Ribbon Cable
★ **Web Code: MAP**

- Contact material: phosphor bronze
- Terminates with standard D-type connectors

109226   116004

Part No.	Manufacturer	Product No.	Shell	Cont.	Gender	1	10	100
109226	ValuePro	MDB9P𝓡	Metal	9	M	$1.95	$1.75	$1.49
12504	ValuePro	CDB9P𝓡	Plastic	9	M	1.75	1.49	1.25
109218	ValuePro	MDB9S𝓡	Metal	9	F	1.95	1.75	1.49
12521	ValuePro	CDB9S𝓡	Plastic	9	F	1.75	1.49	1.25
117382	ValuePro	MDA15P𝓡	Metal	15	M	2.25	1.95	1.75
12319	ValuePro	CDA15S	Plastic	15	F	1.75	1.49	1.25
116012	ValuePro	MDA15S𝓡	Metal	15	F	1.95	1.75	1.49
2168034	Adam Tech	DB25-PF-M2𝓡	Metal	25	M	1.75	1.49	1.25
115984	ValuePro	MDB25P𝓡	Metal	25	M	2.49	2.25	1.95
12335	ValuePro	CDB25P	Plastic	25	M	2.09	1.85	1.65
115976	ValuePro	MDB25S𝓡	Metal	25	F	2.49	2.25	1.95
12432	ValuePro	CDB25S𝓡	Plastic	25	F	2.09	1.85	1.65
2162708	CWI	CMP37TW#	Metal	37	M	1.25	1.09	.95
115992	ValuePro	MDC37P𝓡	Metal	37	M	2.95	2.65	2.39
12466	ValuePro	CDC37P	Plastic	37	M	1.25	1.09	.95
116004	ValuePro	MDC37S𝓡	Metal	37	F	2.95	2.65	2.39

Without strain relief

JAMECO ValuePro
Panel Bracket Cable Assemblies
★ **Web Code: RAX**

- Standard back panel bracket
- Length: 12"
- Ribbon cable with header connector

355688

Part No.	Description	Port	1	10	100
355688	DB9M to 10-pin header F	1 serial	$1.49	$1.35	$1.19
1952265	DB9F to 10-pin header F	1 serial	1.09	.95	.85

JAMECO ValuePro
Metal Solder-Cup
★ **Web Code: EAB**

203799

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
15748	ValuePro	1001-9P-R𝓡	9	M	$.85	$.75	$.65
222990	AMP	747904-2	9	M	2.49	2.19	1.95
15771	ValuePro	500-109	9	F	.75	.65	.55
2125510	Amphenol	DB9S-SFJ†	9	F	.75	.65	.55
223052	AMP	747905-2	9	F	2.49	2.25	1.95
15035	ValuePro	1001-15P-R𝓡	15	M	.95	.85	.75
15078	ValuePro	1002-15P-R𝓡*	15	M	1.09	.89	.75
15052	ValuePro	1001-15S-R𝓡	15	F	.95	.85	.75
164823	ValuePro	1002-15S-R𝓡*	15	F	1.09	.89	.75
15115	ValuePro	1001-25P-R𝓡	25	M	1.25	.99	.89
223010	AMP	747912-2	25	M	2.49	2.25	2.09
15157	ValuePro	500-125	25	F	1.25	.99	.89
223079	AMP	747913-2	25	F	2.49	2.25	2.09
203799	ValuePro	1002-26P*	26	M	.65	.55	.45
15473	ValuePro	1002-37P𝓡	37	M	1.35	1.09	.99
482724	Amphenol	EDC37S	37	F	.75	.65	.55
15500	ValuePro	1001-37S𝓡	37	F	1.35	1.09	.99
2185758	Amphenol-RF	17-20370-11	37	M	2.49	2.25	1.95
482732	Amphenol	EDD50P	50	M	.75	.65	.59
15676	ValuePro	GC029-R𝓡	50	M	1.09	.99	.89
482741	Amphenol	EDD50S	50	F	.49	.45	.39

† With female jack screws *High Density

Metal Straight PCB Mount
★ **Web Code: SBK**

2133510

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
111692	ValuePro	DB9PPCB𝓡	9	M	$.59	$.49	$.39
15781	ValuePro	DB9SPCB𝓡	9	F	.59	.49	.39
176760	ValuePro	DA15PPCB	15	M	.65	.55	.45
176752	ValuePro	DA15SPCB𝓡	15	F	.65	.55	.45
2133510	AMP	749798-1*	15	M	.49	.45	.39
15123	ValuePro	DB25PPCB𝓡	25	M	.85	.75	.65
15165	ValuePro	DB25SPCB	25	F	.85	.75	.65
180021	ValuePro	DC37SPCB	37	F	1.25	1.09	.99

*High Density

Crimp-Type
★ **Web Code: UBR**

73189   38771

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
73189	ValuePro	500-010	9	M	$.65	$.55	$.45
222640	AMP	205204-1 (Tin)	9	M	.89	.79	.69
73197	ValuePro	500-110	9	F	.65	.55	.45
222842	AMP	205203-3 (Tin)𝓡	9	F	.89	.79	.69
222691	AMP	205203-1 (Zinc)	9	F	.99	.89	.79
73200	ValuePro	G37-15	15	M	.49	.39	.29
222658	AMP	205206-1 (Zinc)	15	M	.59	.49	.39
73219	ValuePro	G1G125-R𝓡	15	F	.49	.39	.29
38789	ValuePro	500-027	25	M	.89	.75	.65
38771	ValuePro	500-1N27	25	F	.89	.75	.65

★ **Additional D-Sub Connectors — Enter Web Code DSB**

JAMECO ValuePro
Computer Card Bracket

- For securing cards into bus slots
- Fits PC/XT/AT cases
- Length: 4.75"

Part No.	Description		1	10	100
11755	Blank back panel𝓡		$1.39	$1.25	$1.09

★For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Interconnects

Interconnects

AMP — D-Sub Solder & Crimp Contacts

★ *Web Code: JDC*

Fig. 1 (female) | Fig. 2 (male) — **Without Insulation Support**
Fig. 3 (female) | Fig. 4 (male) — **With Insulation Support**
Fig. 5 (female) | Fig. 6 (male)
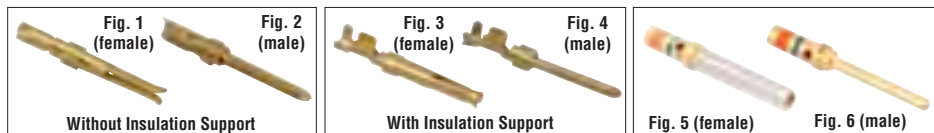
Female Solder Contact – Fig. 1

Part No.	Mfr.	Product No.	AWG	1	10	100
223319	AMP	66569-3ℛ	18	$.35	$.29	$.25

Male Solder Contact – Fig. 2

Part No.	Mfr.	Product No.	AWG	1	10	100
234982	AMP	66570-3ℛ	28-24	$.35	$.29	$.25

Female Crimp Contacts – Fig. 3

Order in multiples of 10

Part No.	Mfr.	Product No.	AWG	10	100	1000
43369	ValuePro	500-155	28-24	$.15	$.12	$.09
185412	ValuePro	1006-PS	28-24	.12	.09	.07
223221	AMP	1-66505-0ℛ	28-24	.19	.15	.12
223247	AMP	745253-6ℛ	26-22	.19	.15	.12
860001	AMP	66504-4ℛ	24-20	.09	.08	.07
223298	AMP	66504-9ℛ	24-20	.19	.15	.12
223255	AMP	1-66504-0ℛ	24-20	.19	.15	.12

Male Crimp Contacts– Fig. 4

Order in multiples of 10

Part No.	Mfr.	Product No.	AWG	1	10	100
185421	ValuePro	1006-PP	28-24	✳	$.12	$.09
43377	ValuePro	500-055	28-24	✳	.15	.12
223108	AMP	66507-9ℛ	28-24	✳	.19	.17
223132	AMP	745254-7ℛ	26-22	.35	.29	.25
223191	AMP	66506-9ℛ	24-20	✳	.19	.15
223167	AMP	1-66506-0ℛ	24-20	✳	.19	.15

Female Crimp Contact (M39029/63-368) – Fig. 5
• Machined

Part No.	Mfr.	Product No.	1	10	100
449351	AMP	205090-1ℛ	$.49	$.45	$.39

Male Crimp Contact (M39029/64-369) – Fig. 6
• Machined

Part No.	Mfr.	Product No.	1	10	100
449342	AMP	205089-1ℛ	$.49	$.45	$.39

JAMECO ValuePro — D-Sub Connector Hoods

★ *Web Code: DAB*

25620 Metallized | 230893 Plastic | 15086 Plastic

• Use with D-sub solder cup and housing style connectors (hardware included)
D Series: Plastic hood with strain relief (gray)
MD Series: Metal coated plastic hood w/ strain relief
MH Series: Die-cast metal hood with strain relief

Part No.	Mfr.	Product No.	Pins	1	10	100
15722	ValuePro	DB9Hℛ	9	$.69	$.59	$.49
25620	ValuePro	MDB9H	9	.75	.69	.59
147741	ValuePro	MHDB9Hℛ	9	1.75	1.49	1.25
230893	AMP	205729-1†	9	2.95	2.75	2.49
15019	ValuePro	DA15H	15	.89	.75	.65
25567	ValuePro	MDA15Hℛ	15	1.09	.95	.75
15086	ValuePro	DB25Hℛ	25	.69	.59	.49
25604	ValuePro	MDB25Hℛ	25	.99	.85	.69
15107	ValuePro	MHDB25ℛ	25	2.49	2.25	1.95
15457	ValuePro	DC37Hℛ	37	1.25	1.09	.89
25612	ValuePro	MDC37Hℛ	37	.99	.89	.79

† Plastic clam shell hood (black)

JAMECO ValuePro — 25-Pin Dual Plastic Hood

Designed for custom applications requiring two D-sub connectors.
Kit includes: Backshell and hardware

Part No.	Description	1	10	100
34091	25-pin hood	$.75	$.65	$.59

★ *Junction Shells — Enter Web Code DAB*

AMP — Hardware for D-Sub Connector Hoods

Amphenol RF | ★ *Web Code: PAM*

614096 (10 pcs.) | 16548 (4 pcs.) | 2100283 (2 pcs.) | 2185766 (12 pcs.) | 102796 | 2186195 | 125015

4-40 Hex Jack Screw Sets

614096: 4-40 Hex (.187"W x .187"H x .250"L thread) jack screw, nuts & washer set (2) – plating A
16548: 4-40 Hex (.187"W x .187"H x .315"L thread) jack screw, nut & washer set – plating B
2100283: 4-40 Hex (.187"W x .187"H x .315"L thread) jack screw with lock washer – plating D
444912: 4-40 Hex (.187"W x .187"H x .630"L thread) jack screw, nut & washers set – plating C
2185766: 4-40 Hex (.187"W x .187"H x .356"L thread) jack screw, nut & washers screws & clip – plating A

Order in multiples of 10

Part No.	Mfr.	Prod. No.	Plating*	1	10	100
614096	AMP	745563ℛ	A	$.99	$.89	$.79
16548	ValuePro	14-522ℛ	B	.69	.55	.49
2100283	ValuePro	JS4403LW	D	✳	.19	.15
444912	ValuePro	D20418-39	C	1.95	1.75	1.59
2185766	Amphenol	17-768	A	1.49	1.25	1.09

4-40 x .187" Jack Screws

Order in multiples of 10

Part No.	Mfr.	Length	Plating*	1	10	100
169931	ValueProℛ	.275"	A	$.29	$.25	$.19
2100283	ValuePro	.315"	D	✳	.19	.15
102816	ValuePro	.437"	B	.45	.39	.29
2183390	ValuePro	.467"	A	.35	.29	.25
108987	ValueProℛ	.515"	A	.49	.45	.35

4-40 x .187"/.195" Standoffs

Part No.	Mfr.	Length	Plating*	1	10	100
175636	ValuePro	.187"	B	$.29	$.25	$.19
102796	ValueProℛ	.235"	A	.39	.35	.29

4-40 Slotted D-Sub Knurled Thumbscrews

Part No.	Mfr.	Length	Plating*	1	10	100
2186195	SPC	1.45"	B	$.29	$.25	$.19
2186216	SPC	1.45"	B	.29	.25	.19
2179438	SPC (2pk)ℛ	2.83"	B	.49	.45	.39

*Plating – **A:** Zinc, clear chromate **B:** Chrome **C:** Zinc, yellow chromate **D:** Chrome with lock washer

4-40 Slotted D-Sub Plastic Thumbscrew

Part No.	Mfr.	Length	Plating*	1	10	100
125015	ValueProℛ	1.65"	A	$.39	$.35	$.29

JAMECO ValuePro — Slim-Line D-Sub Gender Changers

★ *Web Code: YAB*

119320 | 119301 | 170085

For Confined Applications!
• Captive locking screw (male)
• Captive locking nut (female)
• Grounding tangs (male)
• Tin plated shells
• Width: 0.69"

Part No.	Description	1	10	100
18498	9-pin male to maleℛ	$2.25	$1.95	$1.75
18489	9-pin female to female	2.25	1.95	1.75
119320	15-pin female to female HDℛ	2.49	2.25	1.95
119301	15-pin male to male HDℛ	2.49	2.25	1.95
18447	25-pin male to maleℛ	2.75	2.49	2.25
18420	25-pin female to female	2.75	2.49	2.25
170085	25-pin male to female (pass thru)	2.75	2.49	2.25

H — D-Sub Crimping Tool

• Heavy-duty metal tool with cutter and insulated handles
• For computer pins & sockets, D-sub 26-28 AWG wire; butt-insulated connectors, 22-26 AWG wire; telephone spade lugs, 22-26 AWG wire and non-insulated connectors, 20-22 AWG & 14-18 AWG
• Coiled spring return • Size: 7.3"L x 1.5"W

★ *Web Code: GBU*

Part No.	Mfr. Part No.	1	5	25
99443	HT202Aℛ	$9.95	$8.95	$7.95

More Tools on pages 128-133

JAMECO ValuePro — D-Sub 9-Pin to 25-Pin Serial Adapters

• For use in AT or other computer systems that have 9-pin D-sub serial ports

★ *Web Code: AAA*

10305 | 664296

664296: Thumbscrews on both sides

Part No.	Description	1	10	100
10305	DB9 F to DB25 M	$1.95	$1.75	$1.59
664296	DB9 M to DB25 M	.49	.45	.39

SHAPELOCK — REUSEABLE PLASTIC PROTOTYPING COMPOUND

• Becomes rigid at room teamperature
• Non toxic, light weight & paintable
• Can be drilled, sawed & machined
• Melts at 160°F
• Safely hand moldable

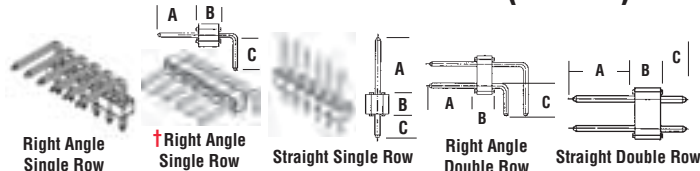| Part No.	Description	1	5
2112495	250 gram bag	$14.95	$13.49
2112508	500 gram bag	24.95	22.95

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

molex Power Connectors

- 5.03mm (.198") pitch
- Housing: nylon; UL94V-2
- Contact retention to housing: 20 lbs. min.
- Passive friction lock
- Temperature range: -40°C to +105°C

Free Hanging Plug (Matrix)	Panel Mount Plug (In-line)	Free Hanging Receptacle (Matrix)	Panel Mount Receptacle (In-line)

.062" (1.57mm) Plugs (Contacts to the right)   ★ Web Code: HBL

- Current: 5.0A

✻ Order in multiples of 10

Part No.	Mfr. Part No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224485	03-06-2023ℛ	2	Free hanging	In-line	224400 .... ✻		$.19	$.15
224506	03-06-2042ℛ	4	Free hanging	In-line	224426 ..... .35		.29	.25
224514	03-06-2044ℛ	4	Free hanging	Matrix	224434 ..... .39		.35	.29

.062" (1.57mm) Receptacles (Contacts to the right)   ★ Web Code: HBL

Part No.	Mfr. Part No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224400	03-06-1023ℛ	2	Free hanging	In-line	224485 .... ✻		$.19	$.15
224426	03-06-1042ℛ	4	Free hanging	In-line	224506 ..... .39		.35	.29
224434	03-06-1044ℛ	4	Free hanging	Matrix	224514 ..... .39		.35	.25

.093" (2.36mm) Plugs (Contacts to the right)   ★ Web Code: CBL

- Current: 12A/circuit

Part No.	Mfr. Part No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224071	03-09-2022ℛ	2	Free hanging	In-line	224143 ...	$.25	$.22	$.15
224080	03-09-2032ℛ	3	Free hanging	In-line	224151	.29	.25	.19
224098	03-09-2042ℛ	4	Free hanging	In-line	224160	.35	.29	.25

.093" (2.36mm) Receptacles (Contacts to the right)   ★ Web Code: CBL

Part No.	Mfr. Part No.	Circuits	Type	Pattern	Mating Conn.	1	10	100
224143	03-09-1022ℛ	2	Free hanging	In-line	224071 ...	$.25	$.22	$.15
224151	03-09-1032ℛ	3	Free hanging	In-line	224080	.29	.25	.19
224160	03-09-1042ℛ	4	Free hanging	In-line	224098	.55	.49	.45
230156	03-09-1041ℛ	4	Panel mount	In-line	224098 .... ✻		.19	.15

molex Power Connector Contacts

- Contact: brass or phosphor bronze
- Temp. range: -40°C to +105°C
- Tin plating

Crimp-Type Male	Solder-Tail Male
Crimp-Type Female	Solder-Tail Female

★ Web Code: JBL

.062" (1.57mm) Bulk Contacts for Plugs & Receptacles   Order in multiples of 10

Part No.	Mfr.	Mfr. Part No.	Description	Gender	AWG	10	100	1000
224581	Molex	02-06-2132ℛ	Crimp type	M	24-30	$.09	$.07	$.05
224573	Molex	02-06-1132ℛ	Crimp type	F	24-30	.09	.07	.05
224565	Molex	02-06-2103ℛ	Crimp type	M	18-24	.09	.07	.05
224557	Molex	02-06-1103ℛ	Crimp type	F	18-24	.09	.07	.05
227379	Molex	02-06-8103ℛ	Solder tail	M	—	.15	.12	.09
227387	Molex	02-06-7103ℛ	Solder tail	F	—	.15	.12	.09

.093" (2.36mm) Bulk Contacts for Plugs & Receptacles

Part No.	Mfr.	Mfr. Part No.	Description	Gender	AWG	10	100	1000
224207	Molex	02-09-2118ℛ	Crimp type	M	18-22	$.12	$.09	$.07
224215	Molex	02-09-1119ℛ	Crimp type	F	18-22	.15	.12	.09
224223	Molex	02-09-2103ℛ	Crimp type	M	14-20	.12	.09	.07
224231	Molex	02-09-1104ℛ	Crimp type	F	14-20	.12	.09	.07
224240	Molex	02-09-2133ℛ	Solder tail	M	—	.15	.12	.09

Hand Crimp Tools

Designed to crimp terminals, strip and cut wires, and cut bolts. For Molex .062" & .093" (above) and KK® series (pg 58) crimp terminals .

★ Web Code: GBU

Part No.	Mfr. Part No.	Description	Length	Color	1	5
308030	W-HT-1919	For 14-24 AWG wires	8.3"L	Red	$14.95	$13.95
227491	W-HT-1921	For 18-30 AWG wires	8.3"L	Yellow	14.95	13.95

★ Additional Power Connectors — Enter Web Code PCC

★ Additional Rectangular Connectors — Enter Web Code RCC

★ Additional Networking Connectors — Enter Web Code NCS

AMP D-Sub Pin Insertion/ Extraction Tools

19094/527582/223335:
Plastic body; metal tips

★ Web Code: LSS

223327:
Handle with .050" hex wrench and exchangeable tips

Part No.	Mfr.	Product No.	Contact Size	1	10
19094	ValuePro	500-200	—	$3.95	$3.49
527582	AMP	91067-1	22	10.95	9.95
223335	AMP	91067-2ℛ	20DM/DF ..	17.95	15.95
223327	AMP	91285-1ℛ	HD-20.......	21.95	19.95

AMP Extraction Tool

- Works with general contacts of CPC, multimate and MATE-N-LOCK II contacts

Part No.	Mfr. Part No.	1	5
841838	305183ℛ	$17.95	$15.95

molex .093" Power Connector Kits

Kit contains mating sets of housings and pins.

- Voltage: 250VAC
- Temp. range: -40°C to +105°C

142181:
- 3 ea. 2-pin plugs & receptacles, 8 ea. female & male contacts
- Current: 12A

142201:
- 2 ea. 4-pin plugs & receptacles, 10 ea. female & male contacts
- Current: 9A

★ Web Code: CAV

Standard Crimp Contacts

Female
.120 (3.09) .865 (21.97)

Male
.093 (2.36) .865 (21.97) Inches (mm)

Receptacle	Plug
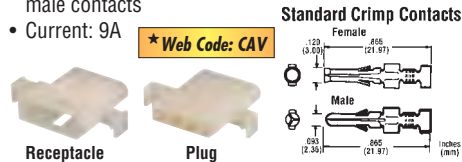
Includes: Male and female tin-plated standard brass .010" pins; 18-22 AWG crimp size wire

Part No.	Mfr. Part No.	Description	1	10	100
142181	1545	2-pin kit	$5.95	$5.49	$4.95
142201	1490	4-pin kit	5.95	5.49	4.95

JAMECO ValuePro .156" (3.98mm) Pitch AT Power Connectors

- Voltage rating: 250V AC/DC
- Current rating: 7A AC/DC
- Temperature range: -25°C to 85°C
- Withstanding volt.: 1500V/min.
- Insulation resistance: 1000MΩ min.
- For use with motherboards and power supplies
- Size: **78327:** 0.94"L x 0.25"W x 0.74"H
  78300: 0.93"L x 0.37"W x 0.57"H
  78319: 0.57"L x 0.11"W
- Material: nylon 66 UL94V-2 white
- Contacts: brass, tin plated (P/N 78300)
- Applicable PC
- Board thickness: .063" (1.6mm)

★ Web Code: QAT

✻ Order in multiples of 10

Part No.	Description	1	10	100
78327	6-pin female housingℛ	$.29	$.25	$.22
78300	6-pin male housing .... ✻		.19	.15
78319	Crimp terminal brass/tinℛ ...... ✻		.05	.04

BEST SELLING — ENCLOSED SWITCHING POWER SUPPLIES

Part No.	Mfr. Part No.	Output	Price
323460	RT-50B	5V@0.5-5A; 12V@0.2-2.5A; -12V@0.1-1A	$20.95
123482	T-60B	5V@0.5-5A; 12V@0.2-2.5A; -12V@0-0.5A	29.95

RT-50

RQ-65

Part No.	Mfr. Part No.	Output	Price
323572	RQ-65D	5V@0.5-8A; 12V@0.2-3A; 24V@0.1-1.5A; -12V@0-1A	$29.95
213752	QP-200D	5V@3-15A; 12V@0-4A 24V@0.4-3A; -12V@0-0.7A	99.95

★ For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

.118" Pitch ATX Power Connector & Pin

★ Web Code: FEM

For Motherboards and Power Supplies
- Current rating: 7A AC/DC • Temperature range: -25°C to 85°C
- **147379:** Material: nylon 66, UL-94VO
- Material of post: tin-plated brass • Diameter of post: 0.045"
- **147395:** Material: tin-plated brass
- Use crimping tool P/N 338678, pg 58

147379 147395

✳ Order in multiples of 10

Part No.	Description	L	W	H	Dia.	1	10	100
147379	20-pin male connector	1.7"	0.4"	0.6"	—	$.45	$.39	$.35
147395	Power terminal pin, F	0.59"	—	—	0.068"	✳	.12	.09

Power Connectors & Pins

42730 **(Male for 42076)**

42650 **(Female for 42068)**

109146 117568

42076 **(Male)** 42068 **(Female)**

114931 115000

114922

Connector & Housing Specifications:
- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
- Operating temperature: -55°C to +105°C

Crimp Pin Specifications:
- Material: tin plated brass
- Current rating: 1.5A
- Wire size range: 18-24 AWG
- Use crimp tool P/N 99443, pg 130

★ Web Code: KAP

.200" – For 5.25" Disk Drives & Power Supplies

42076 & 42068 Connector Housings:
- External key bar indicates pin 1
- Extraction tools, P/Ns 131887 & 131879 (see right)
- Keyed mating connectors

✳ Order in multiples of 10

Part No.	Description	1	10	100
109146	4-pin male vert. PCB mntg ℛ	$.85	$.75	$.65
117568	4-pin male PCB mntg, horiz. edge mnt ℛ	.95	.85	.75
42076	4-pin male housing ℛ	✳	.19	.15
42068	4-pin female housing ℛ	✳	.19	.15
42730	Male crimp pin for 42076 ℛ	✳	.19	.15
42650	Female crimp pin for 42068 ℛ	✳	.15	.12

.100" – For 3.5" Disk Drives & Power Supplies
- Voltage rating: 250V AC, DC
- Insulation resistance: 1000MΩ min.
- Wire guage: 22-26 AWG

✳ Order in multiples of 10

Part No.	Description	1	10	100
114931	4-pin female housing ℛ	$.35	$.29	$.25
114922	Female crimp pin for 114931 ℛ	✳	.19	.15
115000	4-pin male rt. angle PCB mounting ℛ	.49	.45	.39

Connector Extraction Tools

142156/142236 227467/227395 236128

Part No.	Mfr. Part No.	AWG	Conn. Size	1	5
142156	W-HT-2285	14	.062" ...	$14.95	$12.95
227467	W-HT-2023	18-30	.062"	12.95	11.95
142236	W-HT-2038	14	.093"	14.95	12.95
227395	W-HT-2054	14-30	.093"	9.95	8.95
236128	W-HT-1884	22-30	.100"	10.95	9.49

★ **Extraction Tools — Enter Web Code BAV**

★ **IDC Connectors — Enter Web Code DCD**

Extraction Tools for Crimp Terminals
- Quickly and easily extract .093" locking pins from interlocking connectors • Length: 5"

131887

Part No.	Description	1	5
131887	Male tool for 42730, left	$10.95	$9.95
131879	Male tool for 42650, left ℛ	9.95	8.95

AMP MTA-100 .100" (2.54mm) IDC Connector

Closed-End Style w/o Polarizing Tabs with Locking Ramp
- Contacts: phosphor bronze, tin-plated
- Voltage rating: 250VAC
- Current rating: 5A

★ Web Code: CCV

Order in multiples of 10

Part No.	Mfr. P/N	Pos.	AWG	Color	10	100	500
524710	640440-4	4	22	Red	$.22	$.19	$.17

.100" & 2mm Shorting Blocks

22024 (open) 112432 (closed) 152671 (closed)

- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color code strip line plugs
- Mate with male header (P/N 109576, pg 57)
- Pin material: phosphor bronze

★ Web Code: MAC

Open: Open on top to allow a test point
Closed: Closed top

119264: 2mm (for disk drives)

Order in multiples of 10

Part No.	Description	10	100	500
22024	Top open, black (.100") ℛ	$.12	$.09	$.07
119264	Top open, black (2mm) ℛ	.12	.09	.07
112425	Top open, blue (.100") ℛ	.12	.09	.07
112417	Top open, red (.100") ℛ	.12	.09	.07
19141	Top closed, black (.100") ℛ	.12	.09	.07
112442	Top closed, blue (.100") ℛ	.12	.09	.07
112432	Top closed, red (.100") ℛ	.12	.09	.07
152671	Top closed, black tab (.100") ℛ ..	.15	.12	.09

GREAT DEALS ON SPECIAL BUYS

Part No.	Manufacturer	Mfr. Part No.	Description	1	5	25
2179374	Evluma	LED-DISK-ASSY ℛ	White 180K MCD LED module	$10.95	$9.95	$8.95
2126053	Hewtech	LL76932	16/3 AWG SJT power cord	3.95	2.95	2.49
2144673	Mabuchi Motor	RS555PH-23300	12V 5050 RPM DC Motor	3.95	3.49	2.95
2158531	Shinano	STP-42D201-37	12V1.55Ω stepper motor	14.95	13.49	11.95
2133886	Adda	AD0405LX-G70	5V 4.7 CFM brushless tubeaxial fan	5.95	5.39	4.79
2151072	Sunon	SF1212ADBL.GN ℛ	115/220VAC 95/115 CFM tubeaxial fan	12.95	11.95	10.49
2167314	Hantronix	HDM08216H-3-S00S ℛ	8 x 2 parallel 5V LCD display gray	4.49	3.95	3.49
2167293	Hantronix	HSM16216H-B-S90S ℛ	16 x 2 parallel 5V LCD display gray	3.95	3.49	2.95
2138775	Hantronix	HDM20216H-3-S00F ℛ	20 x 2 parallel LCD display black	4.95	3.95	2.95
2138839	Globtek	SP-200-12GL(R) ℛ	12V @ 12.67A 200W enclosed power supply	19.95	17.95	14.95
2081617	Artesyn	NFN40-7607	3 output triple output open power supply	7.95	6.95	5.95
2138636	Emerson	SW013US-0500020US	5V @ 0.2A, 2.5 watt wall adapter w/ USB plug ..	3.95	3.49	2.95
2082222	Actiontec	MI424WR	5V @ 3A 15 watt wall adapter	9.95	8.95	7.95
2082548	Atlinks	5-2617	9V 0.2A 1.8 watt wall adapter	2.95	2.49	1.95
2158362	Fiarway Elec	TC10L-090	9V @ 1.1A 10 watt switching wall adapter	8.95	7.95	6.95
2138951	Phihong	PSA11R-120	12V @ 0.83A 10 watt switching wall adapter	9.95	8.95	7.95

molex Milli-Grid™ Female Crimp Terminal

For 51110 Series Housings
- Lead free
- Contact material: phosphor bronze
- Plating contact: 0.38µm (15µ") gold
- Under plating: nickel

Order in multiples of 10

Part No.	Mfr. Part No.	AWG	10	100	500
668465	50394-8100 ℛ	24-30 ..	$.15	$.12	$.09

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Interconnects

OST · AMP · JAMECO ValuePro

.100" (2.54mm) Straight and Right Angle Male Headers

Right Angle Single Row · †Right Angle Single Row · Straight Single Row · Right Angle Double Row · Straight Double Row

.100" (2.54mm) Right Angle Single Row Male Headers ★ Web Code: DAH

※ Order in multiples of 10

Part No.	Mfr.	Product No.	Pins	Size (A"xB"xC")	Plating	1	10	100
2120305	OST	PN3-230/120-021W ℛ	2	.21 x .10 x .10	Gold	※	$.12	$.09
2076842	ValuePro	RMH5	5	.27 x .10 x .12	Gold	※	.19	.15
2076851	ValuePro	RMH6	6	.27 x .10 x .12	Gold	.29	.25	.19
153728	ValuePro	RMH8	8	.27 x .10 x .12	Gold	.45	.39	.35
2076869	ValuePro	RMH26	26	.27 x .10 x .12	Gold	.59	.49	.39
103271	ValuePro	RMH36 (LP) ℛ †	36	.23 x .10 x .12	Gold	.95	.79	.65
1946041	ValuePro	RMH36AR (type A) ℛ	36	.27 x .10 x .22	Gold	.95	.79	.65

† Low profile

.100" (2.54mm) Straight Single Row Male Headers ★ Web Code: TAM

※ Order in multiples of 10

Part No.	Mfr.	Product No.	Pins	Size (A"xB"xC")*	Plating	1	10	100
2076797	ValuePro	SMH01	1	.23 x .10 x .12	Gold	※	$.09	$.08
2144884	ValuePro	SMH02	2	.23 x .10 x .12	Tin	.25	.19	.15
108338	ValuePro	SMH02 ℛ	2	.23 x .10 x .12	Gold	.29	.25	.19
421489	AMP	103185-3	3	.23 x .09 x .12	Gold/Tin	.35	.29	.25
109576	ValuePro	SMH03 ℛ	3	.23 x .10 x .12	Gold	.35	.29	.25
117560	ValuePro	SMH04 ℛ	4	.23 x .10 x .12	Gold	.35	.29	.25
2120276	OST	PHI-787/120-041 ℛ	4	.78 x .10 x .12	Gold	.29	.25	.19
2076789	ValuePro	SMH05	5	.23 x .10 x .12	Gold	.29	.25	.19
153700	ValuePro	SMH06 ℛ	6	.23 x .10 x .12	Gold	.29	.25	.19
153702	ValuePro	SMH08 ℛ	8	.23 x .10 x .12	Gold	.35	.29	.25
2076818	ValuePro	SMH09	9	.23 x .10 x .12	Gold	※	.19	.15
103393	ValuePro	SMH10 ℛ	10	.23 x .10 x .12	Gold	.39	.35	.29
103377	ValuePro	SMH17 ℛ	17	.23 x .10 x .12	Gold	.39	.35	.29
103369	ValuePro	SMH20 ℛ	20	.23 x .10 x .12	Gold	.39	.35	.29
202825	ValuePro	SMH22	22	.23 x .10 x .12	Gold	.39	.35	.29
103351	ValuePro	SMH25 ℛ	25	.23 x .10 x .12	Gold	.45	.39	.35
103342	ValuePro	SMH30 ℛ	30	.23 x .10 x .12	Gold	.45	.39	.35
2076826	ValuePro	SMH34	34	.23 x .10 x .12	Gold	.45	.39	.35
68339	ValuePro	SMH36 ℛ	36	.23 x .10 x .12	Gold	.55	.39	.35
2168211	Adam Tech	PH1-40-UA ℛ	40	.23 x .10 x .12	Gold/Tin	.35	.29	.25
160882	ValuePro	SMH40 ℛ	40	.23 x .10 x .12	Gold	.75	.65	.59
527654	AMP	4-102976-0	40	.32 x .09 x .12	Gold/Tin	3.49	3.09	2.75
2207849	ValuePro	SMH32	32	.23 x .10 x .12	Gold	.45	.39	.35

*Dimension "A" has gold plating; dimension "C" has tin plating

.079" (2mm)/.100" (2.54mm) Male Headers Grab Bag ★ Web Code: GBS

Part No.	Cross Ref.	Description	Wt. (lbs.)	1	10
2095138	GB204	100 assorted .100" male headers (breakway)	0.3	$9.95	$8.95
		Straight, right angle, single and double row			

.100" (2.54mm) Right Angle Double Row Male Headers ★ Web Code: DAP

• 10 pins are 2 rows of 5 pins (example)

Part No.	Mfr.	Cross Ref. No.	Pins	Size (A"xB"xC")	Plating	1	10	100
203932	ValuePro	923810DR	10	.23 x .10 x .12	Gold ...	$.35	$.29	$.25
203959	ValuePro	923814DR	14	.23 x .10 x .12	Gold	.29	.25	.19
203967	ValuePro	923816DR	16	.23 x .10 x .12	Gold	.39	.29	.25
53576	ValuePro	923820DR ℛ	20	.23 x .10 x .12	Gold	.59	.55	.45
53583	ValuePro	9238260DR	26	.23 x .10 x .12	Gold	.65	.59	.49
53605	ValuePro	923840DR ℛ	40	.23 x .10 x .12	Gold	.89	.79	.69
53612	ValuePro	923850DR	50	.23 x .10 x .12	Gold	.95	.85	.75
103413	ValuePro	923872DR	72	.23 x .10 x .12	Gold	1.09	.95	.85
139564	ValuePro	923880DR ℛ	80	.23 x .10 x .12	Gold	1.39	1.25	1.09

.100" (2.54mm) Straight Double Row Male Headers ★ Web Code: QCM

• 10 pins are 2 rows of 5 pins (example)

※ Order in multiples of 10

Part No.	Mfr.	Product No.	Pins	Size (A"xB"xC")*	Plating	1	10	100
115027	ValuePro	923804DS	4	.23 x .10 x .12	Gold	※	$.19	$.15
115035	ValuePro	923806DS	6	.23 x .10 x .12	Gold	.29	.25	.19
15747	ValuePro	DMH06-30	6	.30 x .10 x .12	Gold	※	.12	.09
2135312	ValuePro	FCN-724P008-AU/W	8	.23 x .10 x .12	Gold/Tin ...	※	.12	.07
109517	ValuePro	7000-2x4SG ℛ	8	.23 x .10 x .12	Gold	.39	.35	.29
67821	ValuePro	923810DS ℛ	10	.23 x .10 x .12	Gold/Tin ...	.39	.35	.29
203810	ValuePro	923812DS	12	.23 x .10 x .12	Gold	.45	.39	.35
118456	ValuePro	923814DS ℛ	14	.23 x .10 x .12	Gold	.55	.49	.45
109568	ValuePro	923816DS ℛ	16	.23 x .10 x .12	Gold	.59	.55	.49
53480	ValuePro	923820DS ℛ	20	.23 x .10 x .12	Gold	.69	.65	.59
203844	ValuePro	923824DS	24	.23 x .10 x .12	Gold	.69	.65	.55
53495	ValuePro	923826DS	26	.23 x .10 x .12	Gold	.69	.65	.55
2120292	OST	PH2-320/110-261 ℛ	26	.30 x .10 x .12	Gold	.49	.45	.39
203852	ValuePro	923828DS	28	.23 x .10 x .12	Gold	.75	.69	.65
203861	ValuePro	923832DS	32	.23 x .10 x .12	Gold	.75	.69	.65
53517	ValuePro	923834DS ℛ	34	.23 x .10 x .12	Gold	.75	.69	.65
203888	ValuePro	923836DS ℛ	36	.23 x .10 x .12	Gold	.95	.85	.75
203895	ValuePro	923838DS	38	.23 x .10 x .12	Gold	.95	.85	.75
53532	ValuePro	923840DS ℛ	40	.23 x .10 x .12	Gold	.95	.85	.75
53560	ValuePro	923850DS ℛ	50	.23 x .10 x .12	Gold	.95	.85	.75
68574	ValuePro	923860DS	60	.23 x .10 x .12	Gold	.95	.85	.75
103406	ValuePro	70002X36SG ℛ	72	.23 x .10 x .12	Gold	1.09	.95	.85
2120284	OST	PH2-230/135-805 ℛ	80	.23 x .10 x .12	Tin	.85	.69	.55
117197	ValuePro	923880DS ℛ	80	.23 x .10 x .12	Gold ...	1.25	1.09	.95

*Dimension "A" has gold plating; dimension "C" has tin plating

.100" (2.54mm) Straight Triple Row Male Headers ★ Web Code: FCC

• 24 pins are 3 rows of 8 pins (example)

Part No.	Mfr.	Cross Ref. No.	Pins	Size (A"xB"xC")	Plating	1	10	100
2178478	ValuePro	3131-30T	10	.16 x .06 x .12	Tin	$.29	$.25	$.19
2076893	ValuePro	933824TS	24	.23 x .10 x .12	Gold	.35	.29	.25

molex® KK® Series .100" (2.54mm) Female Housings with Locking Ramp ★ Web Code: LBN

• Contact resistance: 20mΩ max.
• Dielectric withstanding voltage: 1500VAC
• Insulation resistance: 50kMΩ
• Voltage: 250V

Housing Material:
• Contact retention to housing: 8 lbs. min.
• Contact insertion force: 1.5 lbs. max.
• Housing: nylon, UL94V-0
• Operating temperature: 0 to 75℃

234721
234801

Housing with Locking Ramp

※ Order in multiples of 10

Part No.	Mfr. Part No.	Pos.	1	10	100
234704	22-01-2027 ℛ	2	※	$.09	$.07
234712	22-01-2037 ℛ	3	※	.17	.11
234721	22-01-2047 ℛ	4	.25	.22	.19
234739	22-01-2057 ℛ	5	.35	.29	.19
234747	22-01-2067 ℛ	6	.39	.35	.25
234771	22-01-2107 ℛ	10	.65	.55	.39

Housing w/ Locking Ramp & Polarizing Ribs

※ Order in multiples of 10

Part No.	Mfr. Part No.	Pos.	1	10	100
234798	22-01-3027 ℛ	2		$.15	$.09
234801	22-01-3037 ℛ	3	.25	.22	.15
234819	22-01-3047 ℛ	4	.35	.25	.19
234827	22-01-3057 ℛ	5	.35	.25	.19
234835	22-01-3067 ℛ	6	.49	.39	.29
234851	22-01-3087 ℛ	8	.59	.55	.35
234878	22-01-3107 ℛ	10	.65	.59	.45

Interconnects

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

molex® AMP JAMECO ValuePro

.100" (2.54mm) Straight and Right Angle Friction Lock Headers

Right Angle Friction Lock **Straight Friction Lock**

879588

★ **Web Code: GBN**

.100" (2.54mm) Straight Friction Lock Headers
✶ Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC"xD")	Plating	1	10	100
232266	Molex	22-23-2021ℛ	2	.30 x .13 x .14 x .32	Tin .... ✶		$.09	$.07
613931	AMP	640456-2ℛ	2	.30 x .10 x .14 x .31	Tin .... ✶		.12	.09
233584	Molex	22-11-2022ℛ	2	.30 x .13 x .14 x .32	Gold .... ✶		.19	.15
879588	Molex	22-29-2021ℛ	2	.30 x .13 x .14 x .46	Gold	.29	.25	.19
232274	Molex	22-23-2031ℛ	3	.30 x .13 x .14 x .32	Tin .... ✶		.15	.12
879271	Molex	22-27-2031ℛ	3	.30 x .13 x .14 x .46	Tin	.29	.25	.19
233592	Molex	22-11-2032ℛ	3	.30 x .13 x .14 x .32	Gold	.39	.35	.29
232282	Molex	22-23-2041ℛ	4	.30 x .13 x .14 x .32	Tin .... ✶		.15	.12
2189054	Adam Tech	LHT-04-TS	4	.30 x .10 x .13 x .31	Tin	.29	.25	.19
348074	Adam Tech	641215-4	4	.30 x .10 x .14 x .31	Gold	.29	.25	.19
232291	Molex	22-23-2051ℛ	5	.30 x .13 x .14 x .32	Tin .... ✶		.19	.15
348082	ValuePro	641215-5	5	.30 x .10 x .14 x .31	Gold ...... ✶		.12	.09
232303	Molex	22-23-2061ℛ	6	.30 x .13 x .14 x .32	Tin	.29	.25	.19
232320	Molex	22-23-2081ℛ	8	.30 x .13 x .14 x .32	Tin	.35	.29	.25
232346	Molex	22-23-2101ℛ	10	.30 x .13 x .14 x .32	Tin	.35	.29	.25

.100" (2.54mm) Right Angle Friction Lock Headers
✶ Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	Size (A"xB"xC"xD")	Plating	1	10	100
233437	Molex	22-05-3021ℛ	2	.26 x .13 x .14 x .32	Tin .... ✶		$.15	$.12
233445	Molex	22-05-3031ℛ	3	.26 x .13 x .14 x .32	Tin	.35	.29	.25
233453	Molex	22-05-3041ℛ	4	.26 x .13 x .14 x .32	Tin	.39	.35	.29
1965795	Molex	22-05-1042ℛ	4	.30 x .11 x .12 x .44	Tin	.49	.45	.39
233461	Molex	22-05-3051ℛ	5	.26 x .13 x .14 x .32	Tin	.39	.35	.29
233470	Molex	22-05-3061ℛ	6	.26 x .13 x .14 x .32	Tin	.45	.39	.35

Interconnects

molex®
KK® Series .100" (2.54mm) Crimp Terminals

★ **Web Code: JCT**

- Current: phosphor bronze – 4.0A max.; brass – 2.5A max.
- Insulation range: 0.062" (1.58mm) diameter max.
- Accommodates 22 to 30 AWG
- Material: 736501/234923/234931: brass; 736595/462969/463005: phosphor bronze

234931 462969 463005

Bulk Packaged
Order in multiples of 10

Part No.	Mfr. Part No.	Plating	10	100	1000
736501	08-50-0113ℛ	Tin*	$.05	$.04	$.03
234923	08-50-0114ℛ	Tin	.06	.05	.04
234931	08-55-0102ℛ	15µ" gold	.15	.12	.11
736595	08-52-0123ℛ	Tin	.09	.08	.07
462969	08-65-0805ℛ	Tin (cat ear)	.09	.08	.07
463005	08-65-0816ℛ	15µ" gold	.19	.15	.13

*Cut tape packaging

molex®
.100" (2.54mm) Pitch SL™ Wire-to-Board Crimp Housings

Single Row
- Housing: black glass filled polyester, UL94V-0
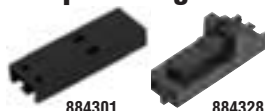
884301 884328

Version A, Non-polarized
★ **Web Code: VDD**

Part No.	Mfr. Part No.	Pos.	1	10	100
884301	50-57-9002ℛ	2	$.25	$.22	$.15

Version G, Positive Latch
Order in multiples of 10

Part No.	Mfr. Part No.	Pos.	10	100
884328	50-57-9402ℛ	2	$.19	$.15

Female Crimp Terminals
741685
Order in multiples of 10

Part No.	Mfr. Part No.	AWG	Plating	10	100
741685	16-02-0103ℛ	22-24	15µ" gold	$.09	$.08
741677	16-02-0086ℛ	22-24	Tin	.07	.06

JAMECO ValuePro
.118" (3.00mm) Micro-Fit Crimp Terminals
molex®

Female (Fig. 1) Male (Fig. 2)

- Material: phosphor bronze, tin

★ **Web Code: UBW**
Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	AWG	10	100
337720	ValuePro	43030-0007ℛ	1	20-24	$.09	$.08
883093	Molex	43030-0007ℛ	1	20-24	.12	.09
337746	ValuePro	43030-0010ℛ	1	20-24	.12	.09
337762	ValuePro	43031-0007ℛ	2	20-24	.09	.08

Hand Tools for Mini-Fit Jr.™

★ **Web Code: GBU**

304928 304936 308030 227491

304928: Crimp tool wire range from 14-24 AWG, 8.5"L
304936: Extraction tool, 3.5"L
308030: Cuts & strips 14-24 AWG, 8.3"L
227491: Cuts & strips 18-30 AWG, 8.3"L

Part No.	Mfr.	Mfr. Part No.	1	5
304928	Molex	63811-1000	$49.95	$44.95
304936	Molex	11-03-0044	19.95	18.95
308030	GC/Waldom	W-HT-1919	14.95	13.95
227491	GC/Waldom	W-HT-1921	14.95	13.95

Tools for Micro-Fit Connectors

JAMECO ValuePro
★ **Web Code: GBU**

338678 338669

Part No.	Cross Ref. No.	Description	Length	1	5
338678	HT-225Dℛ	Crimp	8.25"	$24.95	$22.49
338669	11-03-0043	Extraction	3.0"	14.95	13.49

★ **.156" Housings — Enter Web Code CRH**

JAMECO ValuePro
.156" (3.96mm) JST Type Crimp Terminal and Tool

Crimp Terminal
★ **Web Code: CRH**
- 18-22 AWG • Female
- Tin-plated brass
Order in multiples of 10

Part No.	Mfr.	Cross Ref. No.	10	100
2124630	ValuePro	96Tℛ	$.05	$.04

JST Crimp Tool

Part No.	Mfr.	Mfr. Part No.	1	5
227491	GC/Waldom	W-HT-1921	$14.95	$13.95

molex®
.165" (4.19mm) Mini-Fit Jr.™ Type Terminals
Male (1)

A: Tin over nickel over brass
B: 15µ" gold over nickel over brass
Female (2)

★ **Web Code: CBX**
Order in multiples of 10

Part No.	*Mfr.	Product No.	Type	AWG	10	100	1000
401824	JVP	4257T2-LPℛ	1A	18-24	$.09	$.07	$.05
401701	JVP	4256T2-LPℛ	2A	18-24	.09	.07	.05
401859	JVP	4257T2-G15-LPℛ	1B	18-24	.19	.15	.12
401736	ADM	4256T2-15GCℛ	2B	18-24	.35	.29	.25
304725	MOL	39-00-0041ℛ	1A	18-24	.12	.09	.07
304733	MOL	39-00-0039	2A	18-24	.07	.06	.05
304872	MOL	39-00-0047	2A	22-28	.12	.09	.07

4000-Piece Reel

Part No.	*Mfr.	Product No.	Type	AWG	Price/each
307993	MOL	39-00-0038ℛ	2A	18-24	$.03

*ADM = Adam Tech; JVP = Jameco ValuePro; MOL = Molex

★ **.165" Mini-Fit Jr. Connectors — Web Code MTC**

22 AWG SOLID HOOK-UP WIRE
36920

Color	25-foot	100-foot
Black	2152876	36792
Blue	2152884	36766
Green	2152892	36822
Red	2152905	36856
White	2153553	36881
Yellow	2152921	36920

Pricing	1	5	10	1	5	10
	$3.95	$3.59	$3.29	$7.95	$6.95	$5.95

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

.156" (3.96mm) Headers, Housings and Crimp Terminals

molex
AMP
JAMECO ValuePro

Fig. 1   Fig. 2

- Wire-to-board applications
- End-to-end stackable styles
- Insulator: polyester, UL 94V-0
- Housing: nylon, UL 94V-0

★ **Web Code: HHT**

Headers
Straight Friction Lock – Brass/Tin (Fig. 1)   ✷ Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	1	10	100
879861	Molex	26-60-4020ℛ	2 ..... ✷		$.19	$.15
231546	AMP	640445-2ℛ	2 ..... ✷		.15	.12
879887	Molex	26-60-4030ℛ	3 .. .29		.25	.19
104792	ValuePro	LMH4ℛ	4 .. .29		.25	.19
879941	Molex	26-60-4060ℛ	6 .. .35		.29	.25

Housings
With Locking Ramp (Fig. 2)   Order in multiples of 10

Part No.	Mfr.	Product No.	Pos.	10	100
104433	ValuePro	7900F-3ℛ	3	$.12	$.09
463435	Molex	09-50-3031ℛ	3	.19	.15
236161	AMP	640250-4ℛ	4	.12	.09
463443	Molex	09-50-3041ℛ	4	.19	.15
104716	ValuePro	7900F-4ℛ #	4	.15	.12
104732	ValuePro	7900F-6ℛ	6	.19	.15
104766	ValuePro	7900F-10#	10	.15	.12

Use with crimp pin 78319, below

Crimp Terminals
- Plating: **A:** brass/tin;
- **B:** phosphor bronze/tin   Order in multiples of 10

Part No.	Mfr.	Product No.	Plating	AWG	10	100
736544	Molex	08-50-0189ℛ	A	18-20	$.07	$.06
736561	Molex	08-52-0072ℛ	B	18-20	.07	.06
736587	Molex	08-52-0113ℛ†*§	A	18-20	.06	.05
78319	ValuePro	JS-5001-Tℛ§	A	18-24	.05	.04
736481	Molex	08-50-0106ℛ	A	18-24	.06	.05
248866	AMP	640706-1	A	18-24	.19	.15
248874	AMP	640706-2ℛ	A	18-24	.15	.12
248903	AMP	770522-1	B	18-24	.19	.15

†Trifurcon   *Cat ear   § Cut tape

.100" (2.54mm) Straight Male Headers
JAMECO ValuePro

★ **Web Code: VAQ**

Double Row w/ Standard Latch
- 0.1" contact center
- Mount vertical
- Keying slot
- Use w/ IDC socket connectors, above right

71830

Part No.	Description	1	10	100
117664	10-pin male headerℛ	$.69	$.59	$.55
71830	20-pin male headerℛ	.99	.89	.79
71933	26-pin male headerℛ	1.09	.99	.89
72216	50-pin male headerℛ	1.65	1.49	1.35

.100" (2.54mm) Keyed Shrouded Headers & Connectors
JAMECO ValuePro

CD-ROM 4-Pin   ★ **Web Code: XAW**
- Low profile
- Voltage rating: 250VAC/DC
- Current rating: 3A AC/DC
- Insulation res.: 1000MΩ min.
- Pin material: tin-plated brass
- Connector material: PBT, 30% glass
- Header material: PBT + 30% glass
- Withstanding volt.: 1000VAC/ 1 min.
- Recommend crimp tool P/N 99443, pg 130

152741
152726
152734

✷ Order in multiples of 10

Part No.	Description	1	10	100
152741	Straight header	$.55	$.49	$.45
152726	Rt. angle headerℛ	.65	.59	.55
152734	Single w/ latchℛ†	.55	.49	.45
181673	Female pins	✷	.07	.05

† P/N 152734 requires 4 pins (P/N 181673)

.100" (2.54mm) Female Header Receptacles
JAMECO ValuePro

Right Angle   Straight

- Gold-plated contacts   ★ **Web Code: RAH**

Single Row Right Angle (Side Entry)

Part No.	Mfr.	Contacts	1	10	100
2100321	ValuePro	8	$.49	$.45	$.39

Double Row Right Angle (Side Entry)

Part No.	Mfr.	Contacts	1	10	100
71159	ValuePro	20	$.99	$.89	$.79

Single Row Straight (Top Entry)

Part No.	Mfr.	Contacts	1	10	100
2169758	Adam Techℛ	4	$.49	$.45	$.39
2144614	Adam Techℛ*	6	.49	.45	.39
70755	ValuePro ℛ	8	.55	.45	.35
2144631	Adam Techℛ*	8	.55	.45	.35
2172560	ValuePro ℛ	10	.65	.55	.45
2177627	Adam Techℛ*	10	.79	.69	.59
200783	ValuePro ℛ	12	.75	.65	.55
308592	ValuePro ℛ	16	.89	.79	.65
308567	ValuePro ℛ	20	.95	.85	.75
2168173	Adam Techℛ	40	.99	.89	.75

*15mm long square leads

Double Row Straight (Top Entry)

Part No.	Mfr.	Contacts	1	10	100
70721	ValuePro ℛ	16	$.95	$.85	$.75
70827	ValuePro ℛ	20	1.19	.99	.89
105057	ValuePro ℛ	30	1.25	1.09	.95
163862	ValuePro †	34	.99	.89	.79
111705	ValuePro ℛ	40	1.39	1.25	1.09
2134395	ValuePro ℛ #	40	1.25	.99	.85

†Tin-plated   # Wire wrap leads (.475" long)

FORCE SENSING RESISTORS

These force sensing resistors (FSR) are passive components that exhibit a decrease in resistance. These devices are optimized for use in human touch control electronic products.

71830

Part No.	Size	1	5
2183841	0.3" Diameter	$7.49	$6.95
2128260	0.72" Diameter	7.95	7.25
2136471	1.72"L x 1.5"W	8.95	8.49
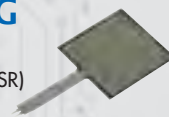
.100" (2.54mm) Low Profile Male Shrouded Headers
JAMECO ValuePro

Straight & Rt. Angle Double Row
- Rating: 1A (max.) @ 250VDC
- Contact resistance: 15mΩ max.
- Contact: phosphor bronze, gold plated
- Features: UL recognized CSA certified; 0.025" square post mates with sockets on 0.100" x 0.100" grid
- Use with IDC socket connectors, below

68180

★ **Web Code: JAH**

Part No.	Cross Ref. No.	Pos.	1	10	100
2167939	BHR-10-HUAℛ	10	$.29	$.25	$.19
67812	7110-10SGℛ	10	.59	.49	.39
2100304	7110-14SGℛ	14	.59	.49	.39
2167947	BHR-16-HUAℛ	16	.35	.29	.25
68180	7110-16SGℛ	16	.65	.55	.45
68292	7110-20SGℛ	20	.65	.55	.45
68372	7110-26SGℛ	26	.69	.59	.49
68583	7110-34SGℛ	34	1.09	.89	.75
2167971	BHR-40-HUAℛ	40	.49	.45	.39
181105	7110-40SGℛ	40	1.45	1.19	.99
737782	103310-8 (R/A)	40	.99	.89	.75
2100312	7110-50SGℛ	50	1.25	1.09	.95

.100" (2.54mm) IDC Socket Connectors
JAMECO ValuePro

Double Row
- Current rating: 1A
- Mates with 2 rows of .025" sq. or dia. posts on patterns of .100" centers (male headers, pg 57)
- Contact material: phosphor bronze w/ 1µ" gold flash on mating area, tin plated on termination area
- Industry standard IDC socket (plastic)
- Temperature rating: -55°C to +105°C
- Use crimper P/N 73252, below
- Include strain relief

32564

NEW MARKED IN PINK

Polarized   ★ **Web Code: QAE**

Part No.	Cross Ref. No.	Contacts	1	10	100
2203910	8000-6Rℛ	6	$.25	$.22	$.19
2203928	8000-8Rℛ	8	.29	.25	.19
32492	8000-10ℛ	10	.35	.29	.25
153948	8000-14ℛ	14	.39	.35	.29
119467	8000-16ℛ	16	.45	.39	.35
32522	8000-20ℛ	20	.49	.45	.39
32564	8000-26ℛ	26	.55	.49	.45
32644	8000-34ℛ	34	.59	.55	.49
32679	8000-40ℛ	40	.65	.59	.55
32708	8000-50ℛ	50	.69	.65	.59

Non-Polarized

Part No.	Cross Ref. No.	Contacts	1	10	100
138376	8000-10NE	10	$.35	$.29	$.25
138325	8000-20NE	20	.35	.29	.25
138333	8000-26NE	26	.39	.35	.29
138341	8000-34NE	34	.45	.39	.35
138350	8000-40NE	40	.39	.35	.29

IDC Connector Crimping Tools
- Use for IDC socket connectors
- Crimping distance: 27.5mm to 6mm (with attachment)
- Size: 9.2"L x 3.0"W
- Weight: 1.1 lbs.

2156033

2156033: Dual slot attachment included

Part No.	Mfr. Part No.	1	10	25
73252	HT-214ℛ	$15.95	$14.39	$12.95
2156033	HT-214Dℛ	17.95	16.49	14.95

Interconnects

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS — NAME BRANDS / HOUSE BRANDS / SPECIAL BUY

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com   59

AMP 3M .100" (2.54mm) IDC Ribbon Connectors

Center and Military Polarized Receptacles

- Accepts 28-26AWG solid or stranded cables
- Contact current rating: 1A continuous
- Housing, cover: 94V-0 rated thermoplastic, black
- Contacts: phosphor bronze, duplex plating

Contact Plating:
A: 30µ" gold, 50µ" min. tin
B: 15µ" gold, 100µ"~200µ" tin
C: 15µ" gold, 100~200µ" tin lead, all over 50µ" min. nickel
D: 30µ" gold,100~200µ" bright tin lead, all over 50µ" nickel

525317 **525376**

★ Web Code: RDM

1578111 **526045**

Part No.	Mfr.	Mfr. Part No.	Pos.	Plating	1	10	100
901642	AMP	1658622-1𝓡	10	A	$1.49	$1.35	$1.19
525309	AMP	746285-1	10	C	1.25	1.09	.99
742215	AMP	1658621-1𝓡	10	B	1.09	.95	.85
1578082	3M	89110-0101𝓡	10	A	.99	.89	.79
525317	AMP	746285-2	14	C	1.49	1.25	.95
525325	AMP	746285-3	16	C	1.59	1.39	1.15
1578111	3M	89116-0101𝓡	16	A	.95	.85	.75
525333	AMP	746285-4	20	C	1.65	1.55	1.39
525413	AMP	746288-6	26	D	1.75	1.49	1.25
525350	AMP	746285-8	34	C	1.95	1.75	1.49
525368	AMP	746285-9	40	C	1.95	1.75	1.55
525376	AMP	1-746288-0	50	D	2.95	2.59	2.39

Strain Relief for NOVO Receptacles

Order in multiples of 10

Part No.	Mfr.	Mfr. Part No.	Pos.	10	100
526045	AMP	499252-5𝓡	10	$.25	$.22

ARIES DIP Headers ★ Web Code: XBS

Series 600 Headers w/ Coined Contacts

- Standard body material is red UL 94-HB glass filled nylon
- High temperature cover/body material is black UL 94V-0 4/6 nylon
- Contact plating: 100µ" min., tin
- Contact rating: 2A
- Operating temperature: 221°F (105°C) max.
- Fork contacts: accept up to .025" (.64mm) dia. leads
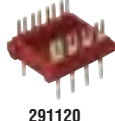
291120

Part No.	Mfr. Part No.	Pos.	Width*	1	10	100
291120	08-600-10𝓡	8	0.3"	$1.29	$1.15	$.99
291312	14-600-10𝓡	14	0.3"	1.49	1.39	1.29
291574	16-600-10𝓡	16	0.3"	1.79	1.65	1.45
291996	24-600-10𝓡	24	0.6"	2.09	1.95	1.75

*Center to center pin width

CA .100" DIP Header Plugs

★ Web Code: XBS

- Gold-plated leads
- Header plugs: keyed corner to indicate pin 1
- U-shaped pin termination for easy component attachment
- Lead length: 0.188" • 0.1" spacing between leads

37331

Part No.	Mfr. Part No.	Pins	Width	1	10	100
104337	08P-2𝓡	8	0.3"	$.95	$.85	$.75
37130	14P-2𝓡	14	0.3"	1.09	.99	.89
37331	16P-2𝓡	16	0.3"	2.75	2.49	2.25

JAMECO ValuePro .100" (2.54mm) IDC DIP Flat Cable Plugs

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing
- Uses 28 AWG flat ribbon cable, pg 47
- Plastic with gold-plated contacts
- Current rating: 1A

42674

★ Web Code: KEF

Part No.	Cross Ref.	Width	Contacts	1	10	100
42658	8200-14𝓡	0.3"	14	$.49	$.45	$.39
42674	8200-16𝓡	0.3"	16	.59	.55	.49
104097	8200-20𝓡	0.3"	20	.69	.59	.55
42691	8200-24𝓡	0.6"	24	.79	.69	.55
99670	8200-28	0.6"	28	.89	.79	.69
42712	8200-40𝓡	0.6"	40	.99	.89	.79

★ PCB Connectors — Enter Web Code EEN

PC Card Edge Connector

Solder Tail 0.100" Spacing Between Rows

- Fits all PC boards 0.054" to 0.070" thick
- Contact centers: 0.100" (2.54mm)
- Without mounting ears
- Gold flash contact area, tin/lead on solder posts

★ Web Code: XEE

Part No.	Mfr.	Positions	1	10	100
2133536	AMP/Tyco	60/120	$1.49	$1.25	$1.09

AMP AMPMODU™ .100" (2.54mm) Receptacle Housing & Contacts

Single Row, Non-Polarized, Crimp Snap-In Housing (MOD IV)

- No PC with UMN
- Black thermoplastic, flame retardant

Part No.	Mfr. Part No.	Pos.	Width	1	10	100
526871	87499-3𝓡	2	0.205"	$.99	$.89	$.75

Standard Pressure Receptacle Contacts (MOD IV)

- Material: phosphor bronze
- No PC with UMN
- Plating:
527419: 50µ" gold fash over nickel, 30µ" gold in contact area
527486: 15µ" gold in contact area, 100µ" – 200µ" bright tin lead, all over 50µ" nickel
895844: Short point; 22-26 AWG; 50µ" nickel entire area; 15µ" gold in contact area

527419

527486

✳ Order in multiples of 10

Part No.	Mfr. Part No.	1	10	100
527419	1-87523-6	$.39	$.35	$.29
527486	87523-6𝓡	✳	.22	.19
895844	104480-3	✳	.12	.09

★ Gray Ribbon Cables — Enter Web Code WBX

★ Multicolor Ribbon Cables — Enter Web Code WCF

.100" (2.54mm) Non-Polarized Connector Housings & Crimp Pins

JAMECO ValuePro

103191 **103254** **100766** **145358**
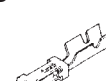
- Mates with 0.025" square post on pattern of 0.100" centers (male headers, pg 57)
- Current rating: 1A • Housing material: plastic
- Pin material: brass/tin plated • 26-22 AWG
- Temp. rating: -55°C to +105°C
- Use crimper P/N 159266, pg 130

★ Web Code: YAL

Single Row

✳ Order in multiples of 10

Part No.	Cross Ref. No.	Contacts	1	10	100
100812	SCH2𝓡	2	✳	$.19	$.15
157383	SCH3𝓡	3	.35	.29	.25
100803	SCH4𝓡	4	.35	.29	.25
163686	SCH5	5	.39	.35	.29
103212	SCH6𝓡	6	.45	.39	.35
103203	SCH8𝓡	8	.49	.45	.39
103191	SCH10𝓡	10	.55	.49	.45
103182	SCH20𝓡	20	.59	.55	.49
103158	SCH36𝓡	36	.65	.59	.55

Double Row

★ Web Code: ZBQ

Part No.	Cross Ref. No.	Contacts	1	10	100
103254	DCH8𝓡	8	$.49	$.45	$.39
157421	DCH10𝓡	10	.55	.49	.45
157438	DCH14	14	.55	.49	.45
103238	DCH16𝓡	16	.55	.49	.45
103230	DCH20𝓡	20	.59	.55	.49

Crimp Pins for Single/Double Row Housings

- Order in multiples of 10

★ Web Code: XAL

Part No.	Cross Ref. No.	Description	10	100	500
100766	FCH1𝓡	Female pin	$.19	$.15	$.12
145358	MCH1𝓡	Male pin	.19	.15	.12

CINCH Jones Plugs and Sockets

Series 300 Multiple-Density Solder-Eyelet Connectors

- Insulation material: molded monoblock, black phenolic
- Contact material: plug – brass; socket – phosphor bronze
- Contact plating: cadmium
- Current rating: 10 amps
- Operating voltage: 250VAC max.
- Contact resistance: 16mΩ max.
- Hood material: UL 94V-0 rated thermoplastic
- 2 position is round

248823 **248786**

★ Web Code: WBP

Sockets with Hood and 180˚ Clamp

Part No.	Mfr. Part No.	Contacts	1	10
248807	S-302H-CCT𝓡	2	$3.49	$3.09
248823	S-304H-CCT𝓡	4	3.95	3.65
248831	S-306H-CCT𝓡	6	4.95	4.75

Plugs with Hood and 180˚ Clamp

Part No.	Mfr. Part No.	Contacts	1	10
248760	P-302H-CCT𝓡	2	$3.35	$2.95
248786	P-304H-CCT𝓡	4	4.25	3.95
248794	P-306H-CCT𝓡	6	4.49	4.25

JAMECO.COM

Mini DIN & DIN Panel Mount Female Sockets
JAMECO ValuePro

- With solder lugs
- Metal body

★ **Web Code: FAB**

2076762   **15852**

Part No.	Cross Ref.	Description	1	10	100
2205510	MDPM4𝓡	4-pin mini DIN	$1.19	$.95	$.85
2076754	MDPM5	5-pin mini DIN	.. .29	.25	.19
2076762	MDPM6𝓡	6-pin mini DIN	1.39	1.25	.99
2205501	57HB5F𝓡*	5-pin DIN	3.49	2.95	2.59
15844	DINJ5𝓡	5-pin DIN	... .99	.79	.69
15852	DINJ6𝓡	6-pin DIN	1.15	.95	.85
15861	DINJ8𝓡	8-pin DIN	1.29	.99	.89

*Manufacturer: Switchcraft

Mini-DIN & DIN PC Mount Female Sockets

2178531   **140791**   **2125819**   **2144796**

- Set back: 0.5"
29399: Plastic body
119475: Plastic/metal body

★ **Web Code: DMS**

207722

Unshielded Right Angle (Mini DIN & DIN)
✳ Order in multiples of 10

Part No.	Product No.	Description	1	10	100
2178902	MDU4S	4-pin mini DIN	$.49	$.45	$.39
2178531	RD4	4-pin DIN	.49	.45	.39
29399	RD5	5-pin DIN	.75	.65	.49

Shielded (Mini DIN & DIN) – Right Angle

140791	MDR4S	4-pin mini DIN	$.49	$.39	$.29
2125819	MXS4 (SMT)	4-pin mini DIN	... ✳	.05	.04
2076720	MDR5S	5-pin mini DIN	.. ✳	.07	.06
119475	MDR6S𝓡	6-pin mini DIN	.89	.79	.69
2144796	84376-1𝓡*	6-pin mini DIN	...89	.79	.69
207722	MDR8S	8-pin mini DIN	.35	.25	.15

*Dual stacked 6-pin mini DIN; Manufacturer: AMP

DIN Connector Cable
JAMECO ValuePro

The sockets need to fit with the right cables. Check out all the available DIN cables on page 150.

★ **Web Code: HAE**

Part No.	Description	1	10	100
174772	6', 6-pin mini DIN male to male	$2.95	$2.49	$1.95

For complete selection of Computer Cables, see page 150

ADAM TECH Displayport Receptacles

Displayport receptacles are royalty free products that can be used in any application where an HDMI connection was previously required.
- 15µ gold plating

★ **Web Code: DPP**

2114212   **2114247**

Part No.	Mfr. Part No.	Description	Type	Mounting Style	1	10	100
2114212	DPC-F-S-RA-SMT-P-15𝓡	Displayport, receptacle, right angle	SMT	Surface mount	$1.75	$1.65	$1.55
2114247	MDPC-S-RA𝓡	Mini displayport, receptacle, right angle	DIP	Through hole	2.25	1.95	1.75

ADAM TECH USB-A & B 1.0 & 2.0 Female Connectors

★ **Web Code: DAZ**

2096181   **2097011**   **161024**   **2076551**   **2096261**   **2096245**   **230958**

Part No.	Mfr.	Product No.	Description	1	10	100
2096181	Adamtech	USB-A-S-RA𝓡	USB-A, right angle	$.49	$.45	$.39
2097011	Adamtech	USB-A-S-VT𝓡	USB-A, vertical	.49	.45	.39
161024	ValuePro	1040𝓡	USB-A 1.0	.99	.89	.79
2076551	KobiConn	UAR64-8W2100	USB-A 2.0, dual port	.75	.69	.39
2096261	Adamtech	MUSB-B5-S-RA-SMT𝓡	Mini USB-B, right angle, surface mount	.99	.89	.79
2096245	Adamtech	USB-B-S-RA𝓡	USB-B, right angle	.39	.35	.29
230958	ValuePro	USB-B-S-RA-WT𝓡	USB-A 2.0, right angle, white insulator	1.09	.99	.89

Mini-DIN & DIN Plugs and Receptacles
JAMECO ValuePro

177236   **15887**   **2178638**

- Solder barrels w/ strain relief
- See pg 46 for cable

★ **Web Code: DAV**

Part No.	Pins	Type	1	10	100
142280	4	Mini DIN plug𝓡	$.89	$.79	$.69
142262	6	Mini DIN plug𝓡	.95	.85	.75
111878	8	Mini DIN plug𝓡	.99	.89	.75
177236	8	Mini DIN receptacle	.99	.89	.75
15879	5	DIN plug𝓡	.59	.49	.39
180873	5	DIN receptacle	.69	.59	.55
15887	6	DIN plug𝓡	.79	.65	.59
2178638	6	DIN plug𝓡*	3.95	3.59	3.29
15895	8	DIN plug𝓡	.75	.59	.55

*Nickel plated diecast handle (Switchcraft)

AMP Circular Cable Clamps

Provides strain relief and can be used in all series receptacles and plugs.

- Material: thermoplastic black, UL94V-0 rated (plastic); zinc alloy (metal)

★ **Web Code: OLI**

Part No.	Mfr. P/N	Material	Shell Size	Cable O.D.(max.)	1	10
494039	206062-1	Plastic	11	.329"	$3.95	$3.49
494055	206966-1	Plastic	13	.453"	3.95	3.49
494063	206070-1	Plastic	17	.453"	3.95	3.49

AMP CPC Contacts

Type III+ Snap-In Crimp Pins with Retention Spring

Socket with Insulation Support   Socket without Insulation Support

★ **Web Code: LEF**

Pin   Socket
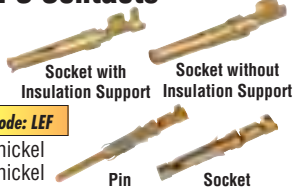
- Finish:
  A: 30µ" gold over nickel
  B: 15µ" gold over nickel
  C: Tin-lead
- Crimp type except *P/N 526424 (solder type)
- Contact body – brass or phosphor bronze

Part No.	Mfr. P/N	AWG	Finish	Type	1	10
526441	1-66361-1	18-14	A	Pin	$.85	$.75
526424	66180-1𝓡	18-16	A	Pin*	.99	.89
526432	66181-1	18-16	A	Socket	1.25	1.09
526459	66103-3𝓡	24-20	B	Pin	.59	.49
526563	1-66103-5	24-20	C	Pin	.39	.35
526361	1-66103-7𝓡	24-20	A	Pin	.69	.59
526379	66105-3𝓡	24-20	B	Socket	.59	.55
526504	1-66105-6	24-20	C	Socket	.55	.49

Size 20DF Contacts

A: 30µ" gold over nickel; **B:** gold flash over nickel
- Contact body: brass

Order in multiples of 10

Part No.	Mfr. P/N	AWG	Finish	Type	10	100
223221	1-66505-0𝓡	28-24	B	Socket†	$.19	$.15
223247	745253-6𝓡	26-22	A	Socket†	.19	.15
223298	66504-9𝓡	24-20	A	Socket	.19	.15
223255	1-66504-0𝓡	24-20	B	Socket	.19	.15

† With insulation support

AMP CPC Circular Plastic Connectors

Series 1 — Standard density, signal and low-current applications
- Accepts type III+, high-current type II, and subminiature coax contacts
- Voltage rating: 600V (UL)

★ **Web Code: WBK**

495293   **421382**   **495103**   **495031**

Receptacles – Panel Mount

Part No.	Mfr. P/N	Size/Pos.	Gender	Mating Connector	1	10
495218	206430-1𝓡	11-4	Reverse	495091	$2.49	$2.35
495162	206061-1𝓡	11-4	Standard	495082	2.49	2.35
495293	211401-1𝓡	13-7	Standard	421374	4.95	4.59
495234	206705-1𝓡	13-9	Standard	495103	2.95	2.75
495146	206043-1𝓡	17-14	Reverse	495031	2.95	2.75
421382	206036-1𝓡	17-16	Standard	495322	2.95	2.75

Plugs – Free Hanging

Part No.	Mfr. P/N	Size/Pos.	Gender	Mating Connector	1	10
495091	206429-1𝓡	11-4	Reverse	495218, 839501, 495226	$3.25	$3.09
495082	206060-1𝓡	11-4	Standard	495162, 839324, 495197	3.25	3.09
421374	211399-1𝓡	13-7	Standard	495293	3.95	3.75
495103	206708-1𝓡	13-9	Standard	919447, 495234, 495242	3.95	3.75
495031	206044-1𝓡	17-14	Reverse	750311, 495146, 495154	3.75	3.49
495322	206037-1𝓡	17-16	Standard	421382, 495314	3.75	3.49
495066	206150-1𝓡	23-37	Standard	495189, 495171	4.49	4.25

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

Interconnects

Amphenol Connex AMP Jameco ValuePro 50Ω/75Ω BNC Connectors and Adapters

Additional Amphenol 31 Series Plugs, Jacks and Adapters visit Jameco.com and use Web Code

Plugs

★ *Web Code: BCP*

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
223394	Amphenol RF	31-12	1	50Ω plug, clamp, for RG-59/62/71/140/210 (UG-260/U)	$6.95	$6.25	$5.59
71482	ValuePro	200-145	2	50Ω plug, 3 pcs, crimp, for RG-58	1.75	1.55	1.39
188306	Amphenol RF	31-320-RFX℞	2	50Ω plug, 3 pcs, crimp, for RG-58/58C/141/B7806A	2.25	1.99	1.75
2185694	Amphenol RF	31-321-1002	2	50Ω plug, 3 pcs, crimp	1.49	1.25	1.09
71271	ValuePro	200-143	2	75Ω plug, 3 pcs, crimp, for RG-59	1.25	1.09	.99
2205448	Amphenol RF	31-71032℞	3	75Ω plug, 3 pcs, crimp, for RG-59, double braided	3.25	2.95	2.75
2085052	Amphenol RF	31-71013℞	3	75Ω plug, 4 pcs, crimp, for RG-179/187	2.95	2.59	2.25
112110	ValuePro	G7409℞	3	50Ω male with pin and ferrule, for RG-174, 4 pcs.	1.75	1.49	1.25
188357	Amphenol RF	31-242-RFX	3	50Ω plug, 4 pcs, crimp, for RG-179/187	2.49	2.25	1.95
2084990	Amphenol RF	31-242	3	50Ω plug, 5 pcs, crimp, for RG-179/187	5.95	5.39	4.85
2161246	ValuePro	B-111L-R-NGD℞	2	50Ω plug, 3 pcs, crimp, for RG-174/U; 188A/U; 316/U	1.25	1.09	.95
188349	Amphenol RF	31-315-RFX	3	50Ω plug, 4 pcs, crimp, for RG-174/U; 188A/U; 316/U	1.95	1.75	1.49
71781	ValuePro	200-142	4	75Ω plug, twist-on, for RG-59	1.09	.99	.89
295953	Amphenol Connex	112116℞	5	50Ω crimp plug, captive contact, for RG-58/58A/58C/141/303	1.75	1.59	1.45
296008	Amphenol Connex	112132℞	5	50Ω crimp plug, captive contact, for RG-174/188A/316/B7805A	1.95	1.75	1.49
2185678	Amphenol RF	9350	6	50Ω plug, 6 pcs, crimp, for RG-6	14.95	13.49	11.95

Jacks

★ *Web Code: BCJ*

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
174290	ValuePro	TBC-090℞	7	Jack, chassis mount	$1.49	$1.25	$1.09
355178	ValuePro	31-221	8	50Ω jack, panel mount, solder cup (UG-1094/U) [1]	2.25	1.95	1.75
223511	Amphenol RF	31-221℞	9	50Ω jack, panel mount, solder cup [1]	3.25	2.95	2.75
2161297	ValuePro	B-235-1-R℞	11	50Ω bulkhead jack, solder terminal	1.49	1.25	1.09
658427	Amphenol Connex	112424℞	10	50Ω bulkhead jack, solder cup [1]	2.49	2.25	1.95
2161262	ValuePro	B-235-R℞	10	50Ω bulkhead jack, isolated, solder terminal [1]	1.75	1.49	1.25
296067	Amphenol Connex	112431℞	11	50Ω bulkhead jack, isolated, solder terminal	4.95	4.49	3.95
493917	AMP	227161-3	12	50Ω jack, right angle, PCB [2]	1.95	1.75	1.49
421331	AMP	227726-3	13	50Ω jack, isolated, solder	2.95	2.75	2.49
111561	ValuePro	200-148	14	50Ω jack, isolated, panel mount [1]	2.49	2.25	1.95
223360	Amphenol RF	31-5	15	50Ω jack, 6 pcs, RG-55/141/142/223/400	4.95	4.49	3.95
2185723	Amphenol RF	UG-909B/U	16	50Ω jack, 8 pcs, straight, panel mount	6.95	6.25	5.59
160929	ValuePro	B211F-58℞	17	Jack, 3 pcs, crimp type, for RG-58	1.49	1.25	1.09
2205190	ValuePro	WJ-7022-M-A℞	17	Jack, 3 pcs, crimp type, for RG-58/U/141	3.95	3.49	2.95
161922	ValuePro	B211F-174℞	17	Jack, 3 pcs, crimp type, for RG-174	1.09	.99	.89
2185820	Amphenol RF	31-332	17	50Ω jack, 3 pcs, crimp	3.95	3.59	3.19
2077618	ValuePro	BNC-CR	18	75Ω jack, chassis PCB receptacle	.25	.19	.15
146511	ValuePro	CH-7044S℞	19	75Ω jack, right angle, plastic, PC mount, w/ washer & nut [2]	2.49	2.25	1.95
2185715	Amphenol RF	31-5486	19	50Ω jack, right angle, PC mount, valox w/ washer	2.95	2.65	2.39
2135646	Bomar	SPX44202	20	Jack, straight, PC mount (gold)	.49	.39	.35
161656	ValuePro	CH-7087D	21	75Ω jack, right angle, metal, PC mount	1.09	.99	.89
71590	ValuePro	G1B235℞	22	Jack, panel mount (UG-1094A) [1]	1.95	1.75	1.49
1952821	Foxconn	KDA1001-H0	23	Jack, right angle, plastic insulation, PC mount [2]	.89	.79	.65

Additional Panel Mounting Hardware: P/N 2186030 ([1]) (2 nuts, 1 washer) and P/N 2186021 ([2]) (2 nuts, 1 washer), see pg 81

Adapters/Couplers

★ *Web Code: BCC*

Part No.	Manufacturer	Product No.	Fig.	Description	1	10	50
127343	ValuePro	B-311	24	50Ω male/male coupler (UG-491B/U)	$2.75	$2.49	$2.25
363961	ValuePro	31-218	24	50Ω straight adapter, plug-plug (UG-491A/U)	2.95	2.75	2.49
355152	ValuePro	31-219-RFX℞	25	50Ω straight adapter, jack-jack (UG-914/U)	2.95	2.65	2.39
311351	ValuePro	31-220N-RFX	26	50Ω bulkhead adapter, jack-jack [2]	2.95	2.75	2.49
72629	ValuePro	200-150	27	50Ω female to female/female T-adapter	2.25	1.95	1.75
118594	ValuePro	200-155	28	50Ω male to female/female T-adapter	2.19	1.95	1.75
188429	Amphenol RF	31-208-RFX	28	50Ω male to female/female T-adapter	3.49	3.25	2.95
71909	ValuePro	200-160	29	Female/female coupler (UG-914)	1.49	1.25	1.09
148224	ValuePro	200-165	30	50Ω coupler, jack-jack, panel mount w/ washer & nut [2]	1.49	1.25	1.09
148232	ValuePro	31-4803-RFX	30	50Ω coupler, jack-jack, isolated, w/ washer & nut [2]	2.95	2.65	2.39
100597	ValuePro	40958-Y	31	50Ω male to female/female T-adapter (180°)	6.95	6.25	5.49
658451	Amphenol Connex	112437℞	32	50Ω jack-to-jack bulkhead adapter (all 50Ω coax cables)	3.49	3.25	3.09
658515	Amphenol Connex	112461℞	33	50Ω T-adapter, jack-plug-jack	2.25	2.09	1.89
117461	ValuePro	B-068	34	75Ω male to female/female F-adapter (90°)	3.49	3.25	2.95
127352	ValuePro	B-412℞	35	50Ω male to female right angle (DG-306B/O)	3.95	3.25	2.49
2085204	Amphenol RF	82-5590	36	Receptacle, twinaxial solder cup, front-mounted	8.95	8.49	7.95

Additional Panel Mounting Hardware: P/N 2186021 ([2]) (2 nuts, 1 washer), see pg 81

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Interconnects

Fig. 1 | Fig. 2 | Fig. 3
Fig. 4 | Fig. 5
Fig. 6 | Fig. 7
Fig. 8 | Fig. 9 | Fig. 10
Fig. 11 | Fig. 12 | Fig. 13
Fig. 14 | Fig. 15
Fig. 16 | Fig. 17
Fig. 18 | Fig. 19 | Fig. 20
Fig. 21 | Fig. 22 | Fig. 23
Fig. 24 | Fig. 25 | Fig. 26
Fig. 27 | Fig. 28 | Fig. 29
Fig. 30 | Fig. 31
Fig. 32 | Fig. 33 | Fig. 34
Fig. 35 | Fig. 36

Amphenol Connex — JAMECO ValuePro — BNC Terminators

★ Web Code: BCT

Part No.	Manufacturer	Product No.	Description	1	10	50
71458	ValuePro	B-611T	50Ω BNC male terminator	$1.49	$1.25	$1.19
658523	Amphenol Connex	202103ℛ	50Ω terminator plug	2.49	2.25	2.09

71458 **658523**

JAMECO ValuePro — BNC, RCA & SMA RF Adapters

★ Web Code: RFS

Part No.	Manufacturer	Product No.	Description	1	10	50
153454	ValuePro	SB-321ℛ	SMA female to BNC male	$2.75	$2.49	$2.25
159469	ValuePro	CH-7830-Nℛ	SMA female to BNC female	3.25	2.95	2.59
153593	ValuePro	4288ℛ	SMA male to BNC male	3.25	2.95	2.65
159477	ValuePro	CH-7820-Nℛ	SMA male to BNC female	4.25	3.95	3.55
2185985	Amphenol Connex	95625	SMA female to BNC male, right angle, 3 pcs.	3.25	2.95	2.65
207168	ValuePro	BJ-7072ℛ	RCA female to BNC female	1.49	1.25	1.19
114789	ValuePro	BR312ℛ	RCA female to BNC male	1.89	1.65	1.49
207176	ValuePro	BJ-7055ℛ	RCA male to BNC male	1.75	1.49	1.25
114753	ValuePro	RB312	RCA male to BNC female	1.89	1.65	1.49
114770	ValuePro	200-108	BNC female to F connector male	1.49	1.25	1.09
174255	ValuePro	TBC-176ℛ	BNC male to F connector female	1.75	1.49	1.25
2205966	Gabotronics	TOL129C3Pℛ	BNC female to 3.5mm male	2.95	2.69	2.49

153454 **159469** **153593** **159477** **2185985** **207168** **114789** **207176** **114753** **114770** **174255** **2205966** **291725**

FOXCONN — 75Ω "F" Connectors & Adapters

★ Web Code: FCA

Part No.	Manufacturer	Product No.	Description	1	10	50
291725	ValuePro	200-051★	F-jack to jack (gold)	$.35	$.29	$.25
295371	ValuePro	200-053★	F-jack jack adapter (nickel)	.49	.45	.39
295380	ValuePro	200-107★	F-right angle jack to plug (nickel)	1.49	1.25	1.19
289887	ValuePro	200-035	F-crimp on for RG-6, nickel plated	.35	.29	.25

★ Additional panel mounting hardware (2 nuts, 1 washer) P/N 2182611, see pg 81

295371 **295380** **289887**

JAMECO ValuePro — 50Ω SMB Connectors

★ Web Code: SCS

Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
167312	ValuePro	24-12-2TGG-Rℛ	1	50Ω right angle jack, PCB mount	Gold	$1.49	$1.25	$1.09
172364	ValuePro	24-07L-1-TGGℛ	2	50Ω bulkhead crimp jack	Gold	1.25	1.09	.99

Fig. 1 **Fig. 2**

Amphenol Connex — 50Ω SMA Connectors

★ Web Code: SGX

Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
2178304	ValuePro	SS-A111F-RNGTℛ	3	Straight crimp type male plug (RG-58), 3 pcs.	Nickel	$1.75	$1.49	$1.25
157972	ValuePro	19-03F-4TGG	3	Straight crimp type male plug (RG-58), 3 pcs.	Gold	2.25	2.09	1.89
153366	ValuePro	4804ℛ	7	Straight crimp type male plug (RG-174), 3 pcs.	Gold	3.25	2.95	2.65
145382	ValuePro	19-46Gℛ	4	Straight female PCB mount, 4 legs	Gold	2.95	2.65	2.39
145374	ValuePro	19-49Gℛ	5	90˚ female PCB mount, 4 legs	Gold	3.25	2.95	2.65
355283	ValuePro	901-143-6-RFXℛ	6	Jack, right angle, PC mount	Gold	4.25	3.95	3.75
2161238	ValuePro	S-P215-Rℛ	4	Jack, straight, PC mount, 50Ω	Gold	1.95	1.75	1.49
159531	ValuePro	CH-7814ℛ #	8	Female panel mount, 4 mounting holes (G-58/174)	Gold	3.95	3.59	3.25
160013	ValuePro	CH-7818-Nℛ√	9	Panel mount feed thru, female-female	Nickel	4.95	4.25	3.75
153286	ValuePro	SMA-7813ℛ	10	Bulkhead solder female w/ washer, rear mount (RG-58/174)	Gold	3.49	3.19	2.89

Solder cup √ Additional panel mounting hardware (2 nuts, 1 washer) P/N 2182611, see pg 81

Fig. 3 **Fig. 4** **Fig. 5** **Fig. 6** **Fig. 7** **Fig. 8** **Fig. 9** **Fig. 10**

Amphenol Connex — SMA Adapters and Couplers

★ Web Code: SGX

Part No.	Manufacturer	Product No.	Fig.	Description	Plating	1	10	50
659041	Amphenol Connex	132169ℛ	11	50Ω jack-to-jack adapter	Gold	$5.49	$4.95	$4.45
2161300	ValuePro	S-322-H-Rℛ	12	50Ω jack-to-jack adapter, bulkhead feed-through	Gold	3.49	2.95	2.65
659059	Amphenol Connex	132170ℛ	12	50Ω jack-to-jack adapter, bulkhead feed-through	Gold	6.95	6.59	5.95
161294	ValuePro	S-311-Gℛ	13	Straight coupler male-male	Gold	3.49	3.25	2.95
161307	ValuePro	S-412-Gℛ	14	Right angle coupler male-female	Gold	5.95	5.49	4.95
153294	ValuePro	SMA-7817ℛ	15	Straight coupler female – jack-to-jack	Gold	3.95	3.59	3.19

Fig. 11 **Fig. 12** **Fig. 13** **Fig. 14** **Fig. 15**

JAMECO BenchPro — Universal Hand Crimp Tool for RG-58 and RG-59 Connectors

★ Web Code: GBU

Part No.	Cross Ref.	Description	Die Cavities (in.)	Ferrule	1	5
261745	DL-806A	Center conductor crimp tool on BNC and TNC	0.255/0.213/0.068	3/8"	$14.95	$14.49

★ For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Interconnects

Interconnects

SMA/SMB 50Ω Coax Cables

Fig. 1 Fig. 2 Fig. 3 Fig. 4

★ **Web Code: BZM**

Fig. 1: SMA male to SMA male
Fig. 2: SMA male to SMA right angle male
Fig. 3: SMA right angle male to SMA right angle male
Fig. 4: SMB plug female to SMB plug female

Part No.	Cable	Fig.	Lgth (ft.)	1	10	100
159397	RG-58ℛ	1	6	$5.95	$5.49	$4.95
169801	RG-174ℛ	1	0.5	3.19	2.75	2.49
163855	RG-174ℛ	1	1	3.95	3.59	3.25
153382	RG-174ℛ	1	2	4.95	4.49	3.95
153391	RG-174ℛ	1	4	5.95	5.49	4.95
159451	RG-174ℛ	1	6	6.95	6.25	5.59
175135	RG-174ℛ	2	1	4.25	3.95	3.65
175143	RG-174ℛ	3	0.5	3.75	3.49	3.19
175152	RG-174ℛ	3	1	4.95	4.49	3.95
175178	RG-174ℛ	4	1	4.95	4.49	3.95

BNC Male Coax Cables

★ **Web Code: BBD**

Fig. 1 Fig. 2

RG58/U 50Ω Network & Oscilloscope Cables

Part No.	Mfr. P/N	Fig.	Length	1	10	50
181308	CRG58-1RRℛ	1	1'	$3.55	$3.19	$2.89
102315	CRG58-1ℛ	2	1.5'	3.95	3.55	3.19
256743	CBB-224-24	2	2'	4.25	3.95	3.59
11404	CRG58-3	2	3'	4.49	4.19	3.75
102331	CRG58-6	2	6'	4.75	4.35	3.95
180822	CRG58-10	2	10'	4.95	4.59	4.09
102350	CRG58-12ℛ	2	12'	5.35	4.85	4.35
169818	CRG58-15	2	15'	5.65	5.19	4.49
102357	CRG58-25	2	25'	5.95	5.39	4.95
102365	CRG58-50	2	50'	7.95	6.95	6.25
102381	CRG58-100	2	100'	9.95	8.95	7.95

RG6 75Ω Cables

Part No.	Mfr. P/N	Fig.	Length	1	10	50
176794	RG6-3	2	3'	$4.49	$3.95	$3.59
176815	RG6-6	2	6'	4.95	4.49	3.95

RG59/U 75Ω CATV & Video Patch Cord

Part No.	Mfr. P/N	Fig.	Length	1	10	50
85543	CRG59-6ℛ	2	6'	$5.95	$5.49	$4.95

RG174/U 50Ω Network & Oscilloscope Cables

Part No.	Mfr. P/N	Fig.	Length	1	10	50
111473	RG174U3ℛ	2	3	$5.49	$4.95	$4.49
111482	RG174U6ℛ	2	6	6.95	6.25	5.49

EGF Telecom Splice Connectors

Provides clean, solid and rapid connection of wires to keep lines free of noise
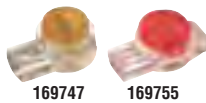
169755: Y-type

169747 169755

Part No.	Color	AWG	Conductors	1	10	100
169747	Yellowℛ	22–26	2	$.25	$.22	$.15
169755	Redℛ	19–26	3Y	.29	.25	.19

CINCH ADAM TECH Standard Double Row Barrier Terminal Blocks

★ **Web Code: YBM**

- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Screw material: steel with nickel over copper flash plating

230990

140 Series 15A (5-40 x 3/16" BH screws)

- 3750-watts/terminal max.
- 16 AWG wire max.
- Size: 0.88"W x 0.41"H

Part No.	Mfr. P/N	Pos.	Length	1	10	100
2172682	TDA-02ℛ§	2	1.42"	$.99	$.89	$.79
230973	2-140ℛ	2	1.41"	1.65	1.49	1.35
2173757	TDA-03ℛ§	3	1.79"	.99	.89	.75
230981	3-140ℛ	3	1.78"	1.49	1.25	1.09
2173765	TDA-04ℛ§	4	2.17"	1.25	1.09	.99
230990	4-140ℛ	4	2.16"	1.95	1.85	1.75
2173773	TDA-06ℛ§	6	2.91"	1.99	1.75	1.59
231010	6-140ℛ	6	2.91"	2.39	2.29	2.15
2173781	TDA-08ℛ§	8	3.66"	2.25	1.95	1.75
231036	8-140ℛ	8	3.66"	2.89	2.75	2.49
231052	10-140ℛ	10	4.41"	3.95	3.75	3.49
231061	12-140ℛ	12	5.16"	3.75	3.49	3.25
1775983	14-140	14	5.91"	4.75	4.49	4.25

§Manufacturer: Adam Tech

141 Series 20A (6-32 x 1/4" BH screws)

- 5000-watts/terminal max.
- 14 AWG wire max.
- Size: 1.13"W x 0.5"H

2100021

Part No.	Product No.	Pos.	Length	1	10	100
2100021	3-141*	3	1.78"	$1.25	$1.19	$1.09
231378	4-141ℛ	4	2.50"	2.49	2.25	1.95
231394	6-141ℛ	6	3.38"	2.95	2.75	2.49
231415	8-141ℛ	8	4.25"	3.25	3.19	2.95
231431	10-141ℛ	10	5.13"	3.49	3.25	3.19

*Manufacturer: Jameco ValuePro

142 Series 30A (8-32 x 5/16" BH screws)

- 7500-watts/terminal max.
- 10 AWG wire max.
- Size: 1.312"W x 0.625"H

Part No.	Mfr. P/N	Pos.	Length	1	10	100
440891	42	8	5.47"	$5.49	$5.25	$4.95

Terminal Block Jumpers

For connecting between adjacent terminals or alternate terminals.
- 2-position
- Brass w/ nickel plating

659382

Part No.	Mfr. Part No.	1	10	100
659382	140J-1 (140 series)ℛ	$.35	$.29	$.25
448500	141J (141 series)	.39	.35	.29

molex BEAU Barrier Terminal Blocks

.375" Double Row Low Profile

- Wire AWG range: 12–24AWG
- Terminal: brass, nickel plated
- Insulator: thermoplastic, UL94V-0
- Screws: #6-32 BH screws, steel, zinc chromate plate

659411

★ **Web Code: YBM**

Part No.	Mfr. Part No.	Beau No.	Pos.	1	10	100
2125940	38770-0103ℛ	77003	3	$.95	$.75	$.65
659411	38770-0104ℛ	77004	4	2.49	2.25	1.95
659454	38770-0108ℛ	77008	8	3.49	3.19	2.75
659489	38770-0112ℛ	77012	12	4.49	3.95	3.59

European Terminal Blocks

- Number of poles: 12
- Terminal insert: brass metal alloy, nickel plated
- Material: polyamide 66 (nylon 66), UL94V-2, natural
- Screws: zinc plated, yellow chromed, PA8 (M2.6), PA10, ES08, ES10 (M3.0), PA12 (3.5)

215011

★ **Web Code: CBJ**

Part No.	Product No.	Amps	AWG	1	10	100
2120161	ES0800/12DSℛ*	10	16-22	$1.49	$1.25	$1.09
2120170	ES1000/12DSℛ*	20	16-20	1.95	1.75	1.49
215011	PA8HDSℛ†	20	12-22	1.75	1.59	1.39
215029	PA10HDSℛ†	30	10-22	2.39	2.25	1.95
215037	PA12HDSℛ†	35	10-22	2.95	2.75	2.49

*300V, Mfr.: On-Shore Technology   †450V

Metric Tri-Barrier Single Row Terminal Blocks

- Off center PC mount • Brass, tin-plated terminals
- Steel, nickel-plated screws • UI/CSA recognized

DT39 Series

- Current rating: 20A @ 300V
- Wire gauge range: 12-22 AWG
- M3 screw size
- Pitch: 8.25mm
- Height: 12.7mm

★ **Web Code: YBT**

DT39 Series

HB95 Series

- Current rating: 10A @ 250V
- Wire gauge range: 14-22 AWG
- M3.5 screw size • Pitch: 9.5mm • Height: 14.3mm

HB95 Series

Part No.	Cross Ref.	Pos.	Lgth (mm)	1	10	100
2133616	DT39-B01W-06	6	50.6	$.65	$.55	$.45
2133624	DT39-B01W-08	8	67.2	.75	.65	.55
2162628	HB951-08P	8	77.5	.75	.65	.55

Metric Double Row Terminal Blocks

- Body: black thermoplastic (UL94V-0)
- Terminals: brass tin plated
- Screws: steel nickel plated
- 12-18 AWG

★ **Web Code: YBT**

207572

10A @ 600V

- Screw size: M3.0 • Size: 19.5mm W x 11.9mm H

Part No.	Cross Ref.	Pos.	Lgth (mm)	1	10	100
208857	GGE-10-4P	4	55	$.99	$.89	$.79
208865	GGE-10-6Pℛ	6	74	1.49	1.35	1.19
208900	GGE-10-10Pℛ	10	112	2.29	1.95	1.75
208882	GGE-10-12Pℛ	12	131	2.49	2.25	2.09

20A @ 600V

- Screw size: M3.5 • Size: 22.0mm W x 13.2mm H

Part No.	Cross Ref.	Pos.	Lgth (mm)	1	10	100
207547	GGE-20-6Pℛ	6	85.3	$1.59	$1.35	$1.19
207572	GGE-20-12Pℛ	12	150.7	2.95	2.75	2.49

Wire Connectors

- UL approved nylon 66, 94V2
- Strip wire before application
- Twist on type

182511 140717 182450

182450/2121543: UL/CSA approved
140717: PE – metal inside

Part No.	Description	Order in multiples of 10		
		10	100	1000
140717	Wire IDC 22-18 AWGℛ	$.15	$.12	$.09
182511	Wire nut 16 AWG	.12	.09	.07
182450	Crimp 16-14 AWGℛ*	.19	.15	.12
2121543	Crimp 8-6 AWG*	.05	.04	.03

*Requires crimping tool (P/N 72996, pg 66)

0.138" (3.5mm) to 0.200" (5.08mm) Terminal Blocks

Part No.	Mfr.	Mfr. Part No.	Fig.	Term.	Terminal Spacing	Description	1	10	100
2094506	OST	OSTTE020161𝓡	1	2	0.138"/3.5mm	Top screw	$.39	$.35	$.29
2094522	OST	OSTTF020161𝓡	2	2	0.138"/3.5mm	Side screw	.39	.35	.29
2094514	OST	OSTTE030161𝓡	1	3	0.138"/3.5mm	Top screw	.49	.45	.39
2124411	OST	OSTTE040161𝓡	1	4	0.138"/3.5mm	Top screw	.55	.49	.45
2094565	OST	OSTTJ0231530𝓡	4	2	0.150"/3.81mm	R/A screw	.59	.55	.49
2094485	OST	OSTTA020161𝓡	5	2	0.197"/5.0mm	Top screw	.39	.35	.29
160785	Dinkle	EK500V-02P𝓡	6	2	0.197"/5.0mm	Top screw	.65	.59	.49
164794	OST	OSTTH020160𝓡	3	2	0.197"/5.0mm	Top screw	.55	.45	.39
99427	Dinkle	128V2P-R𝓡	7	2	0.197"/5.0mm	Top screw	.85	.65	.55
189676	OST	OSTTC020162𝓡	8	2	0.197"/5.0mm	Top screw	.45	.35	.29
161067	Dinkle	EK500A-02P𝓡	9	2	0.197"/5.0mm	45° angle screw...........	.89	.79	.59
2159656	Phoenix	SMKDSN1.5/2	14	2	0.197"/5.0mm	55° angle screw...........	.49	.39	.29
2094493	OST	OSTTA030161𝓡	5	3	0.197"/5.0mm	Top screw	.49	.45	.39
189668	OST	OSTTC030162𝓡	10	3	0.197"/5.0mm	Top screw	.39	.35	.29
99398	Dinkle	DT128V3P𝓡	7	3	0.197"/5.0mm	Top screw	1.09	.99	.89
160793	Dinkle	EK500V-03P𝓡	6	3	0.197"/5.0mm	Top screw	1.09	.99	.89
164806	OST	OSTTH030160	3	3	0.197"/5.0mm	Top screw	.85	.79	.69
161059	Dinkle	EK500A-03P𝓡	9	3	0.197"/5.0mm	45° angle screw........	1.25	1.09	.95
2124429	OST	OSTTA040161𝓡	5	4	0.197"/5.0mm	Top screw	.65	.59	.55
2124470	OST	DT128V4P-R𝓡	7	4	0.197"/5.0mm	Top screw	.65	.59	.55
164815	OST	OSTOP240000𝓡	13	24	0.197"/5.0mm	1.3 x 1.3mm	1.35	1.19	1.05
2120567	OST	OSTYC022150𝓡	6	2	0.200"/5.08mm	Top screw	.49	.45	.39
2120647	OST	OSTTC022162𝓡	1	2	0.200"/5.08mm	Top screw	.35	.29	.25
2094581	OST	OSTTJ025153𝓡	11	2	0.200"/5.08mm	Top screw	.69	.65	.59
152347	OST	OSTTA024163𝓡	12	2	0.200"/5.08mm	Top screw	.69	.65	.59
2120575	OST	OSTYC032150𝓡	6	3	0.200"/5.08mm	Top screw	.59	.55	.49
2120655	OST	OSTTC032162𝓡	1	3	0.200"/5.08mm	Top screw	.49	.45	.39
152355	OST	OSTTA034163𝓡	12	3	0.200"/5.08mm	Top screw	.59	.55	.49
2094590	OST	OSTTJ035153𝓡	11	3	0.200"/5.08mm	Top screw	1.19	1.09	.95
2124445	OST	OSTTA044163𝓡	12	4	0.200"/5.08mm	Top screw	.69	.65	.59
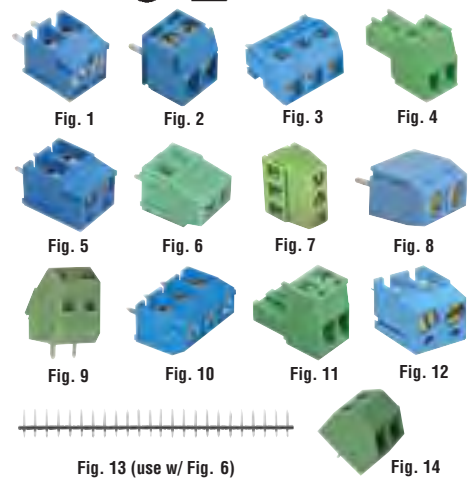
Fig. 1   Fig. 2   Fig. 3   Fig. 4
Fig. 5   Fig. 6   Fig. 7   Fig. 8
Fig. 9   Fig. 10   Fig. 11   Fig. 12
Fig. 13 (use w/ Fig. 6)   Fig. 14

PCB Terminal Blocks

PCB mounted terminal blocks with spring loaded contacts for easy connections.

- Stackable terminal blocks
- Accepts 14-24 AWG wires
- Nominal current: 16A
- Nominal voltage: 250V
- 5.08mm lead spacing
- Spring cage connection • 45° position
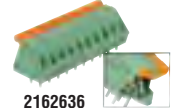
2162636

2162644: single position with left end plate
2162636: 10-position with right end plate

Part No.	Mfr. Part No.	Pos.	Lgth (mm)	1	10	100
2162644	1706730	1	7.62 ...	$.39	$.29	$.19
2162636	1706714-10	10	50.88 ..	1.95	1.75	1.49

DIN Rail-Mounted Terminal Block & DIN Rail

- Molded thermoplastic
- 12-22 AWG
- Spacing: 5.06mm (.199")
- UL rated voltage and current: 600V @ 20A
248736: 35mm W x 7.5mm D

237083
248736
Sold in 1 meter (39") length

Part No.	Mfr. Part No.	Type	1	10	100
237083	41296.2	SR2.5	$.75	$.59	$.55
248736	2094.0(IM)𝓡	TS35 x 7.5	8.95	7.95	6.95

Solderless Terminal Kit

170 Terminals & Connectors!

- Clear, hinged plastic box
- Use crimping tool P/N 72996, pg 66

Qty.	Description	Wire Gauge	Blade Size	Qty.	Description	Wire Gauge	Blade Size
10	Male spade	22-16	1/4"	10	Ring term.	16-14	#10
10	Male spade	16-14	1/4"	5	Ring term.	12-10	#10
10	Fem. spade	22-16	1/4"	5	Ring term.	12-10	#14
10	Fem. spade	16-14	1/4"	10	Spade term.	16-22	#6
10	Ring term.	22-16	#6	10	Spade term.	16-22	#8
10	Ring term.	22-16	#8	10	Spade term.	16-14	#10
10	Ring term.	16-14	#10	10	Butt conn.	16-22	—
15	Ring term.	16-14	#6	10	Butt conn.	16-14	—
10	Ring term.	16-14	#8	5	Butt conn.	12-10	—

Part No.	Cross Ref. No.	1	10	25
10990	G1C175-R𝓡	$14.95	$13.49	$11.95

UL1007 & UL1569 Rated Hook-Up Wire

Make wiring simple with these small gauge wire rolls. Able to handle high voltages while fitting and mounting easily into your terminal block slots. Applications: Interconnection circuits, wiring of computer and data processing equipment, applications and automotive.

- 300V peak   • PVC insulation   • Stranded   • Sold in 100' rolls   • VW-1
- Tin-plated copper   • Temp. range: -40°C to 80°C (UL1007); -40°C to 105°C (UL1569)

Appliance Wiring Material (AWM) is UL recognized covering of insulated wire & cable intended for internal wiring of appliances & equipment.

AWG	Stranding	UL1007	UL1569	Black P/N	Red P/N	White P/N	Green P/N	Yellow P/N	Blue P/N	1	5	10
28	7 x 36	x	x	734611 𝓡	734603 𝓡	734610 𝓡	734606 𝓡	734605 𝓡	734614 𝓡	$6.95	$6.25	$5.59
26	7 x 34	x	x	734511 𝓡	734503 𝓡	734510 𝓡	734506 𝓡	734505 𝓡	734514 𝓡	7.95	6.95	6.25
24	7 x 32	x	x	734411 𝓡	734403 𝓡	734410 𝓡	734406 𝓡	734405 𝓡	734414 𝓡	8.95	7.95	6.95
22	7 x 30	x		126085 𝓡	126034 𝓡	126077 𝓡	310852 𝓡	310878 𝓡	310886 𝓡	9.95	8.95	7.95
22	7 x 30	x	x	734311 𝓡	734303 𝓡	734310 𝓡	734306 𝓡	734305 𝓡	734314 𝓡	9.95	8.95	7.95
20	10 x 30	x		125840 𝓡	125795 𝓡	125831 𝓡	310894 𝓡	310915 𝓡	310922 𝓡	12.95	11.49	10.49
20	10 x 30	x	x	734211 𝓡	734203 𝓡	734210 𝓡	734206 𝓡	734205 𝓡	734214 𝓡	12.95	11.49	10.49
18	16 x 30	x		125787 𝓡	125736 𝓡	125752 𝓡	310932 𝓡	310949 𝓡	310958 𝓡	15.95	14.49	12.95
18	16 x 30	x	x	734111 𝓡	734103 𝓡	734110 𝓡	734106 𝓡	734105 𝓡	734114 𝓡	15.95	14.49	12.95
16	26 x 30	x	x	734011 𝓡	734003 𝓡	734010 𝓡	734006 𝓡	734005 𝓡	734014 𝓡	18.95	16.95	14.95

CHIPQUIK Solder Rework Chemicals

NEW MARKED IN PINK

These work great with both leaded and lead-free rework and design applications, making your job quick, clean and easy.

- Solder pastes are 96.5% tin, 3% silver and 0.5% copper
- Each includes a 35 gram/10cc syringe with plunger and tip

Part No.	Description	1	10
2098216	No-clean, water-soluble tack flux𝓡	$16.95	$15.95
2097441	Lead-free, no-clean solder paste𝓡	24.95	23.49
2098232	Water-soluble solder paste𝓡	26.95	25.49

2098216   **2097441**   **2098232**

Component Kits and Grab Bags, see pages 32 & 33 for complete listing

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

Interconnects

Solderless Terminals

AMP molex® Terminals, Splices and Quick Connect/Disconnect

JAMECO ValuePro ★ Web Code: TSQ

Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7 Fig. 8 Fig. 9 Fig. 10

Fig. 11 Fig. 12 Fig. 13 Fig. 14 Fig. 15 Fig. 16 Fig. 17 Fig. 18 Fig. 19 Fig. 20 Fig. 21

Ring Tongue Terminals

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
2139073	Panduit	PV18-6R-M℞	2	Plastic	#6	22-18	Red	✳	$.12	$.09
302658	AMP	31880℞	1	Nylon	#4	22-16	Red	.29	.25	.19
103684	ValuePro	2048℞	2	Plastic	#6	22-16	Red	✳	.19	.15
2160593	ValuePro	36152VP℞	2	Plastic	#6	22-16	Red	✳	.13	.10
302666	AMP	36152℞	2	Plastic	#6	22-16	Red	.25	.22	.15
2160622	ValuePro	31890VP℞	2	Plastic	#8	22-16	Red	✳	.13	.10
302674	AMP	31890℞	2	Plastic	#8	22-16	Red	✳	.19	.15
844289	AMP	34107℞	3	Uninsul.	#6	22-16	—	.29	.25	.19
844377	AMP	34111℞	3	Uninsul.	#8	22-16	—	.29	.25	.19
302720	AMP	320619℞	1	Nylon	#6	16-14	Blue	✳	.19	.15
2160569	ValuePro	320565VP℞	2	Nylon	#8	16-14	Blue	✳	.19	.15
302738	AMP	320565℞	2	Nylon	#8	16-14	Blue	.29	.25	.19
302746	AMP	36160℞	1	Nylon	#10	16-14	Blue	✳	.15	.12
2160606	ValuePro	321045VP℞	1	Nylon	#1/4	16-14	Blue	✳	.15	.12
302754	AMP	321045℞	1	Nylon	#1/4	16-14	Blue	✳	.19	.15
2144681	Panduit	PV10-8R-D℞	2	Vinyl	#8	12-10	Yellow	✳	.15	.12
302800	AMP	35109℞	1	Nylon	#10	12-10	Yellow	.25	.22	.17

Spade Tongue Terminals

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
302851	AMP	328394℞	4	Nylon	#2	22-16	Red	$.35	$.29	$.25
2125780	3M	MVU18-4FLK	4	Vinyl	#4	22-16	Red	.29	.25	.19
302869	AMP	327717℞	4	Nylon	#4	22-16	Red	.39	.35	.33
2160577	ValuePro	34541VP℞	4	Nylon	#6	22-16	Red	✳	.15	.13
302877	AMP	34541℞	4	Nylon	#6	22-16	Red	.25	.22	.17
103588	ValuePro	SVS1-3.7℞	4	Vinyl	#6	22-16	Red	✳	.17	.15
2160631	ValuePro	323127VP℞	5	Uninsul.	#6	22-16	—	✳	.15	.13
842929	AMP	323127℞	5	Uninsul.	#6	22-16	—	✳	.19	.15
2129764	ETCO	PS55-130-THB	21	Uninsul.	#6	22-26	—	✳	.05	.04
502879	Molex	19144-0001	6	PVC	#5-6	18-22	Red	✳	.19	.15
2160585	ValuePro	35559VP℞	4	Nylon	#6	16-14	Blue	✳	.19	.15
302906	AMP	35559℞	4	Nylon	#6	16-14	Blue	.25	.22	.17
302914	AMP	32059℞	4	Nylon	#8	16-14	Blue	.39	.35	.29
103596	ValuePro	SVM-2℞	4	Vinyl	#8	16-14	Blue	.25	.22	.19
302949	AMP	326859℞	4	Nylon	#6	12-10	Yellow	.59	.55	.49

Flanged Spade Tongue Terminals

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Stud Size	AWG	Color	1	10	100
2160551	ValuePro	320862VP℞	7	Nylon	#8	16-14	Blue	✳	$.19	$.15
303010	AMP	320862℞	7	Nylon	#8	16-14	Blue	.29	.25	.22

Solderless Terminal/Quick Connect Cable Assembly

- **2100056:** #6 stud ring tongue terminal 22-16 AWG (Fig. 1) and #6 stud spade tongue terminal 22-16 AWG (Fig. 4) **2100056**
- **2100081:** #6 stud spade tongue terminal 22-16 AWG (Fig. 4) and .250" quick connect/disconnect connector 22-16 AWG (Fig. 14)
- **2100099: Dual cable**, .250" quick connect/disconnect connector 22-16 AWG and .110" quick connect/disconnect connector 22-16 AWG (Fig. 14)

2100081 **2100099**

Order in multiples of 10

Part No.	Product No.	Wire (AWG)	Length	10	100	1000
2100056	STCA-11	18 (green)	11"	$.15	$.09	$.07
2100081	STQC-13	18 (green)	13"	.15	.09	.07
2100099	QCDC-39	18 (black & white)	39"	.19	.15	.12

Butt Disconnect Splices

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Type	AWG	Color	1	10	100
303167	AMP	323994℞	8	Nylon	Butt	24-20	Natural	$.69	$.65	$.59
2160542	ValuePro	320559VP℞	8	Nylon	Butt	22-16	Red	.35	.29	.25
303175	AMP	320559℞	8	Nylon	Butt	22-16	Red	.55	.49	.45
494469	Molex	19215-0009	9	Uninsul.	Butt	22-18	—	✳	.09	.07
491305	Molex	19164-0013	10	NiAC	Butt	22-18	Red	.39	.35	.29
503062	Molex	19154-0004	8	PVC	Butt	18-22	Red	✳	.19	.15
303183	AMP	320562℞	8	Nylon	Butt	16-14	Blue	.59	.55	.49

Quick Connect/Disconnect Female Terminals

✳ Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Insul.	Size (ins.)	AWG	Color	1	10	100
303247	AMP	640923-1℞	11	Nylon	.110 x .020	22-18	Red	$.29	$.25	$.19
303255	AMP	640917-1℞	11	Nylon	.187 x .020	22-18	Red	.25	.22	.15
489635	Molex	19003-0011*	12	Nylon	.187 x .020	22-18	Red	✳	.19	.15
837134	AMP	2-520411-2℞*	12	Nylon	.187 x .032	22-18	Red	.25	.22	.19
489643	Molex	19003-0017*	12	Nylon	.187 x .032	22-18	Red	.25	.22	.15
524197	AMP	2-520182-2℞	14	Nylon	.187 x .032	22-18	Red	.25	.22	.15
2160614	ValuePro	2-520182-2VP℞	14	Nylon	.250 x .032	22-18	Red	✳	.15	.13
303280	AMP	640903-1℞	11	Nylon	.250 x .032	22-18	Red	.25	.22	.19
489627	Molex	19003-0001*	12	Nylon	.250 x .032	22-18	Red	✳	.19	.15
489475	Molex	19002-0001	13	Nylon	.250 x .032	22-18	Red	.35	.29	.25
489758	Molex	19005-0001	12	Nylon	.250 x .032	22-18	Red	.29	.19	.15
2121551	ValuePro	QCD187	15	Nylon	.187 x .032	22-16	Clear	✳	.15	.12
106922	ValuePro	FDV1-187℞	11	Vinyl	.187 x .032	22-16	Red	✳	.12	.09
2178734	ValuePro	GFF-1187℞	16	Vinyl	.187 x .020	22-16	Red	✳	.19	.15
109112	ValuePro	GFF1250℞	16	Vinyl	.250 x .032	22-16	Red	✳	.19	.15
103668	ValuePro	FDV1-250℞	11	Vinyl	.250 x .032	22-16	Red	✳	.19	.15
303301	AMP	640919-1℞	11	Nylon	.187 x .020	16-14	Blue	✳	.15	.12
489694	Molex	19003-0050*	12	Nylon	.187 x .020	16-14	Blue	.29	.25	.19
303327	AMP	640905-1℞	11	Nylon	.250 x .032	16-14	Blue	.25	.22	.19
489766	Molex	19005-0005	12	Nylon	.250 x .032	16-14	Blue	.25	.22	.15
489678	Molex	19003-0040*	12	Nylon	.250 x .032	16-14	Blue	.35	.19	.15
489871	Molex	19007-0021*	17	Nylon	.250 x .032	16-14	Blue	.35	.29	.25
303343	AMP	640907-1℞	11	Nylon	.250 x .032	12-10	Yellow	.39	.35	.29
489774	Molex	19005-0010	12	Nylon	.250 x .032	10-12	Yellow	.39	.35	.29

*Translucent

Quick Connect/Disconnect Male Terminals Insulated

Part No.	Mfr.	Mfr. Part No.	Fig.	Insul.	Size (ins.)	AWG	Color	1	10	100
489432	Molex	19001-0003	13	Nylon	.187 x .020	22-18	Red	$.29	$.25	$.19
489723	Molex	19004-0001	13	Nylon	.250 x .032	22-18	Red	.29	.25	.19
489731	Molex	19004-0005	13	Nylon	.250 x .032	16-14	Blue	.29	.25	.19

Printer Circuit Board Male Quick Connect

Order in multiples of 10

Part No.	Mfr.	Product No.	Fig.	Material	Size (ins.)	10	100	1000
2150897	AMP	1217056-1℞*	18	Tin/Copper	.250 x .032	$.12	$.09	$.07
853927	AMP	63824-1℞**	18	Tin/Copper	.250 x .032	.12	.09	.07
2129730	ValuePro	250-D†	19	Tin/Copper	.250 x .032	.09	.07	.05
2129756	ARK-LES	3000-H-421AB#	20	Tin/Copper	.250 x .032	.09	.07	.05

*Single **Continuous strip † Dual # Piggyback style-male/female

Ⓗ Solderless Terminal Crimping Tool

- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow

Part No.	Mfr. Part No.	Size	1	10	25
72996	HT303℞	9.0"L x 2.0"W	$24.95	$21.95	$17.95

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Interconnects

Super and Subminiature Basic Switches

- Economical, subminiature basic switch offers long service life
- Free from overtravel restrictions, permits easy setting
- Lead spacing: A = 0.35"; B= 0.29"
- Dimensions: 0.78"L x 0.25"W x 0.40"H

Fig. 1   Fig. 2   A — B —   Fig. 3   Fig. 4   Fig. 5   Fig. 6
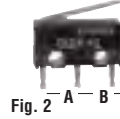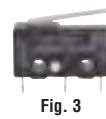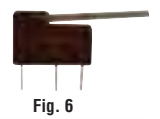
Part No.	Manufacturer	Mfr. Part No.	Fig.	Contact Form	Contact Rating	Actuator Type	Service Life (Mech./Elec.)	Terminal Type	Pricing 1	10	100
2100048	Honeywell	311SM8094-H4	6	SPST	5A @ 250VAC, 5A @ 30VDC	Straight lever (1.31")	1M/30k	.110" quick connect	$.99	$.89	$.75
2204015	ValuePro	BSM2-0508-13ℛ	6	SPST	5A @ 250VAC, 5A @ 30VDC	Straight lever (1.31")	1M/30k	.110" quick connect	.99	.89	.75
2097580	ValuePro	13-03-050ST-EVℛ	1	SPDT-NC	3A @ 125VAC, 0.2A @ 60VDC	Straight lever (0.551"L)*	1M/15k	Solder terminal	1.09	.99	.89
188867	Omron	D2F-Lℛ	2	SPDT-NC	3A @ 125VAC, 2A @ 30VDC	Hinge lever (0.5"L)	1M/30k	Solder terminal	1.95	1.75	1.59
2178697	Omron	D2F-L-Dℛ	2	SPDT-NC	3A @ 125VAC, 2A @ 30VDC	Hinge lever (0.5"L)	1M/30k	Solder terminal	1.25	1.09	.99
2187892	ValuePro	DM3-01P-30-6ℛ	2	SPDT-NC	3A @ 125VAC, 2A @ 30VDC	Hinge lever (0.5"L)	1M/300k	Solder terminal	.99	.89	.79
2187913	ValuePro	SM5-01N-40-C51ℛ	3	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	Hinge lever (0.6"L)	30M/200k	Solder terminal	1.25	1.09	.99
187709	Omron	SS-5GLℛ	3	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	Hinge lever (0.6"L)	30M/200k	Solder terminal	1.75	1.59	1.35
2187905	ValuePro	SM5-05N-45S-C51ℛ	4	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	Hinge roller (0.6"L)	30M/200k	Solder terminal	1.19	1.09	.99
187733	Omron	SS-5GL2ℛ	4	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	Hinge roller (0.6"L)	30M/200k	Solder terminal	1.95	1.75	1.59
159599	Highly Electric	SS0505A	4	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	Hinge roller (0.7"L)	30M/200k	Solder terminal	1.49	1.35	1.19
2097678	Mountain Switch	61-05-025RR-Q-EVℛ	4	SPDT-NC	5A @ 125VAC, 5A @ 250VAC	Roller lever (0.571"L)	10M/100k	.110" quick connect	1.25	1.09	.99
187717	Omron	SS-5GL13ℛ	5	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	Simulated roller lever	30M/200k	Solder terminal	1.09	.95	.85

*Super subminiature

Miniature Basic Switches
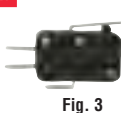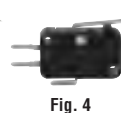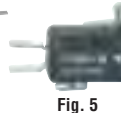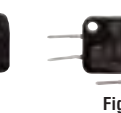
Fig.1   Fig. 2   Fig. 3   Fig. 4   Fig. 5   Fig. 6   Fig. 7   Fig. 8

- 3 terminals: common; normally open; normally closed   • Size: 1.10"L x 0.40"W x 0.63"H   **1945268:** Nomally open (NO) only

Part No.	Manufacturer	Product No.	Fig.	Contact Form	Contact Rating	Actuator Type	Service Life (Mech./Elec.)	Terminal Type	Pricing 1	10	100
1945268	Zippy	VM-5	1	SPST	5A @ 125VAC/250VAC	Long lever (2.0"L)	10M/1M	0.187" quick connect	$1.49	$1.25	$1.09
2076244	Honeywell	V3-23-D8	2	SPST-NO	5A @ 125VAC	Pin plunger	50M/300k	0.183" quick connect	1.75	1.49	1.25
2178937	Zero Plus	1033013	2	SPST-NO	15A @ 250VAC	Pin plunger	10M/100k	0.250" quick connect	1.49	1.25	1.09
2162804	Mulon	M8-1P1	7	SPDT	5A @ 250VAC	Pin plunger	10M/1M	0.250" quick connect	1.75	1.49	1.25
483284	Cherry	D44CR1RD	6	SPDT	10A @ 125VAC/250VAC	Hinge lever (1.24"L)	6k	0.187" quick connect	3.25	2.95	2.65
1917099	Honeywell	V7-1C17D8ℛ	7	SPDT	15A @ 125/250/270VAC	Pin plunger	50M/300k	0.183" quick connect	2.15	1.95	1.75
187792	Omron	V-10G2-1C24Kℛ	3	SPDT-NC	0.1A @ 125VDC, 10A @ 250VAC	Hinge lever (1.08"L)	50M/300k	0.183" quick connect	2.95	2.75	2.59
187805	Omron	V-10G3-1C24Kℛ	4	SPDT-NC	0.1A @ 125VDC, 10A @ 250VAC	Long hinge lever (2.01"L)	50M/300k	0.183" quick connect	2.95	2.69	2.49
2178574	Micro	V3-101-D812	8	SPDT-NC	0.5A @ 125VDC, 4A @ 125VAC	Pin plunger	10M/1M	0.187" quick connect	1.95	1.75	1.49
2117333	ValuePro	VM-05S-03D0-Z	3	SPDT-NC	5A @ 125VAC/250VAC	Long lever (2.0"L)	50M/300k	0.185" quick connect	1.95	1.75	1.49
2178929	Mulon	M8-1P1DS1	8	SPDT-NC	5A @ 250VAC	Short lever (0.6"L)	50M/300k	0.250" quick connect	1.25	1.09	.99
159572	Highly Electric	VS10N051C	5	SPDT-NC	10A @ 125VAC/250VAC	Hinge roller (0.60"L)	10M/100k	0.250" quick connect	2.95	2.69	2.49
159581	Highly Electric	VS10N021C2	3	SPDT-NC	10A @ 125VAC/250VAC	Hinge lever (1.05"L)	10M/100k	0.183" quick connect	2.49	2.25	1.95

Slide Switches

- Two mounting flanges
- Top actuation   • Nylon actual
- 6/6 nylon plastic housing
- Phenolic insulated

Fig. 1   Fig. 2   Fig. 3   Fig. 4   Fig. 5   Fig. 6   Fig. 7   B A   Fig. 8   Fig. 9

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form	Contact Rating	Dimensions (L" x W" x D")	Lead Spacing A"	B"	Housing Material	Lead Length	Actuator Height	Pricing 1	10	100
588220	C&K Switches	OS102011MA1QN1	1	3	SPDT on-on	0.2A @ 30VDC	.34 x .17 x .15	—	.08	Metal	.11"	.16"	$.39	$.35	$.29
621325	GC Electronics	35-202-BU	2	3	SPDT on-on	0.3A @ 30VAC	.44 x .22 x .18	.14	—	Metal	.14"	.16"	2.25	1.95	1.75
2133704	ValuePro	SS12D02	3	3	SPDT on-on	0.3A @ 50VDC	.35 x .18 x .18	—	.08	Metal	.12"	.15"	.29	.25	.19
2184392	ValuePro ℛ	SV65010F-0102-6H-FN	5	3	SPDT on-on	0.3A @ 125VAC	.63 x .26 x .41	0.05	.16	Metal	.19"	.24"	1.25	1.09	.99
2184384	ValuePro ℛ	SS60012F-0102-4V-NB	2	3	SPDT on-on	0.3A @ 125VAC	.75 x .21 x .35	—	.15	Metal	.14"	.34"	.75	.65	.59
2192384	ValuePro ℛ	3450XBB-4	4	3	SPDT on-on	0.3A @ 125VAC	.45 x .22 x .23	—	.12	Plastic	.21"	.15"	.39	.35	.29
109171	ValuePro ℛ	G4050X-R	4	3	SPDT on-on	0.5A @ 50VDC	.45 x .22 x .23	—	.15	Plastic	.17"	.15"	.39	.35	.29
2192860	ValuePro ℛ	DS-13	9	3	SPDT on-on	6.0A @ 120VAC/28VDC	.50 x .38 x .27	.18	—	Plastic	.11"	.18"	1.49	1.35	1.19
2180771	Alco	MHS133	3	3	SP3T on-on-on	0.3A @ 30VDC	.63 x .27 x .29	—	.08	Metal	.18"	.39"	.99	.89	.75
2184413	ValuePro ℛ	SV65020F-0103-6H-01-FN	5	8	SP3T on-on-on	0.3A @ 125VAC	.63 x .26 x .41	.10	.08	Metal	.19"	.24"	1.35	1.19	.99
2159613	C&K Switches	OS202011MA0QS1	5	6	DPDT on-on	0.1A @ 12VDC	.32 x .27 x .19	.10	.08	Metal	.13"	.16"	.35	.25	.19
2182442	Alco	AS2DG-PC	7	6	DPDT on-on	0.2A @ 20VDC	.37 x .20 x .37	.10	.10	Plastic	.14"	.11"	.49	.45	.39
161817	ValuePro ℛ	MS-306-R	6	6	DPDT on-on	0.3A @ 6VDC	.35 x .14 x .14	.10	.10	Plastic	.14"	.08"	.75	.69	.59
621472	GC Electronics	35-222	7	6	DPDT on-on	6.0A @ 125VAC	.88 x .53 x .35	.22	.29	Plastic	.25"	.36"	1.25	1.09	.99
2178591	Switchcraft	46206LFE*	8	6	DPDT locking	0.5A @ 125VDC	.88 x .53 x .44	.25	.28	Plastic	.17"	—	.49	.45	.39
2184405	ValuePro ℛ	SV68010F-0203-6V-FS	5	8	DP3T on-on-on	0.3A @ 125VAC	.50 x .27 x .19	.10	.08/.16	Metal	.17"	.24"	1.35	1.19	.99

*DPDT locking, flushed, 115/230 legend, 3A @ 125VAC

Electromech

Mountain Switch | C&K | JAMECO ValuePro | APEM | Alcoswitch | E•SWITCH | Judco | EATON

Pushbutton Switches

Additional Pushbutton Switches, visit Jameco.com and use web code

★ **Web Code: UBU**

| Fig. 1 | Fig. 2 | Fig. 3 | Fig. 4 | Fig. 5 | Fig. 6 | Fig. 7 | Fig. 8 | Fig. 9 |

| Fig. 10 | Fig. 11 | Fig. 12 | Fig. 13 | Fig. 14 | Fig. 15 | Fig. 16 | Fig. 17 | Fig. 18 |

| Fig. 19 | Fig. 20 | Fig. 21 | Fig. 22 | Fig. 23 | Fig. 24 | Fig. 25 | Fig. 26 |

Electromech
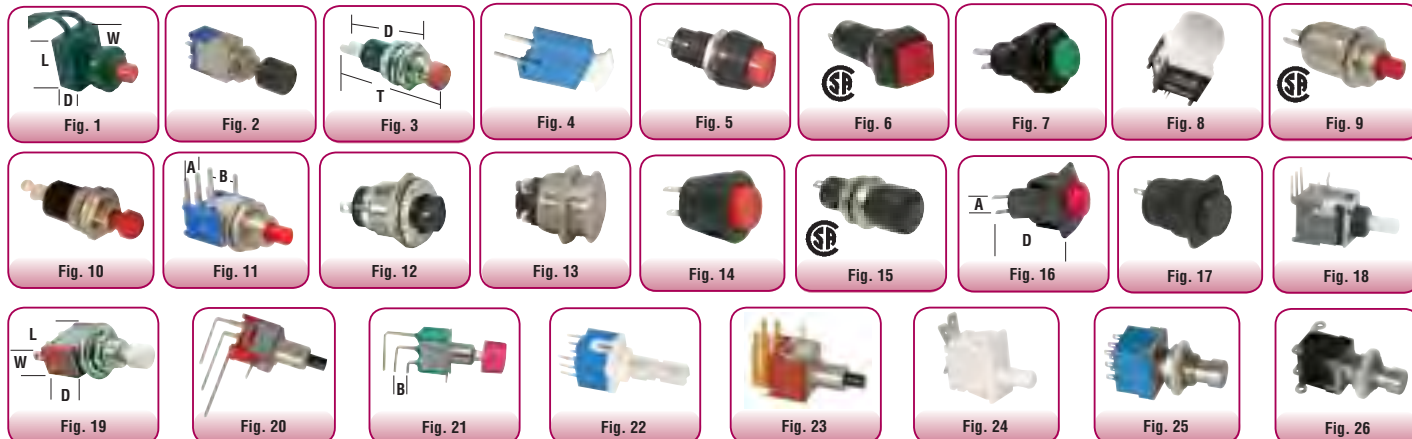
Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form ( ) Momentary	Contact Rating	Mounting Hole Dia.	Dimension (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Terminal Type	Button Color	Pricing 1	Pricing 10	Pricing 100
22200	Judco	J1881ℛ	1	2*	SPST on-off, Alt†	2A @ 14VDC	.375"	.65 x .52 x .40	.25	—	5" Pigtail	White	$1.95	$1.75	$1.49
315388	ValuePro	PA101A1-R/BLℛ	2	2	SPST on-off	6A @ 125VAC	.250"	1.2 (D) x 1.7 (T)	.185	—	Solder	Red	1.95	1.75	1.49
26649	ValuePro	GPB002-CN	3	2	SPST on-(off)2	3A @ 125VAC	.299"	.36 (D) x 1.13 (T)	—	.17	Solder lugs	Black	.85	.75	.69
164494	ValuePro	DS-450-RED	5	2	SPST off-on	3A @ 125VAC	.406"	.59 (D) x 1.2 (T)	.175	—	Solder	Red	3.49	3.09	2.75
315492	ValuePro	R13-23B-Bℛ	6	2	SPST off-on	3A @ 125VAC	.480"	1.13 (D) x 1.53 (T)	.20	—	Solder	Black	1.25	1.09	.95
315484	ValuePro	R13-23B-Rℛ	6	2	SPST off-on	3A @ 125VAC	.480"	1.13 (D) x 1.53 (T)	.20	—	Solder	Red	1.25	1.09	.95
315521	ValuePro§	R13-23B-Y	6	2	SPST off-on	3A @ 125VAC	.480"	1.38 (D) x 1.53 (T)	.18	—	Solder	Yellow	.99	.89	.79
2155111	NKK Switches§	KP0115ANAKG03CF-1SJBℛ	8	5	SPST off-(on)	.1A @ 12VDC	.591"	.59 x .59 x .906	.177	—	PC pin	Clear	2.95	2.75	2.49
164566	ValuePro	MS-402-RED	9	2	SPST off-(on)	.5A @ 125VAC	.172"	.60 (D) x .80 (T)	.08	—	Solder	Red	1.95	1.75	1.55
315643	ValuePro	R13-81-R	9	2	SPST off-(on)	.5A @ 125VAC	.203"	.44 (D) x .78 (T)	.08	—	PC terminal	Red	.95	.85	.75
164639	ValuePro	MS3120Rℛ	10	2	SPST off-(on)2	.5A @ 125VAC	.295"	.31 (D) x 1.1 (T)	.175	—	Solder	Red	1.95	1.75	1.49
71643	ValuePro	SWB210ℛ	11	2	SPST off-(on)	1A @ 120VAC	.219"	.36 x .20 x .33	.20	.20	PC right angle	Black	2.95	2.59	2.39
164582	Mountain Switch	DS016B	12	2	SPST off-(on)4	1A @ 125VAC	.469"	.46 (D) x .88 (T)	.22	—	Solder	Black	3.69	3.25	2.95
164671	ValuePro	NS801M0	4	2	SPST off-(on)	1A @ 125VAC	.492"	1.0 (D) x 1.1 (T)	.213	—	Solder terminal	Black	1.95	1.75	1.49
2181351	ValuePro	R13-502MAℛ	12	2	SPST off-(on)4	1.5A @ 125VAC	.500"	.59(D) x 1.0(T)	.16	—	Solder	Black	2.49	2.25	1.95
2131274	Velleman	R1400A	13	2	SPST off-(on)	2A @ 48VDC	.750"	.87 (D) x 1.2 (T)	.37	—	Screw	Silver	3.95	3.59	3.25
171774	Apem	AV191003C900	13	2	SPST off-(on)	2A @ 48VDC	.750"	.87 (D) x 1.2 (T)	.37	—	Screw	Silver	19.95	18.95	17.95
106112	Mountain Switch	DS-412-RED	14	2	SPST off-(on)	3A @ 110VAC	.734"	.66 (D) x .63 (T)	.275	—	Solder lugs	Red	1.95	1.75	1.59
26623	ValuePro	MS102ℛ	3	2	SPST off-(on)2	3A @ 125VAC	.250"	.65 (D) x 1.10 (T)	—	.14	Solder lugs	Red	.85	.75	.69
164486	ValuePro	DS-463-RED	5	2	SPST off-(on)3	3A @ 125VAC	.406"	.59 (D) x 1.2 (T)	.175	—	Solder	Red	2.49	2.25	1.95
315580	ValuePro	R13-40B-B	15	2	SPST off-(on)	3A @ 125VAC	.480"	.87 (D) x 1.4 (T)	.20	—	Solder	Black	1.49	1.35	1.19
315599	ValuePro	R13-40A-Rℛ	15	2	SPST off-(on)	3A @ 125VAC	.480"	.98 (D) x 1.56 (T)	.20	—	Solder	Red	1.49	1.35	1.19
315432	ValuePro	R13-23A-Rℛ	6	2	SPST off-(on)	3A @ 125VAC	.480"	1.13 (D) x 1.53 (T)	.20	—	Solder	Red	1.09	.95	.85
315651	ValuePro	R13-502A-05-BBℛ	7	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	.23	—	Solder	Black	1.95	1.75	1.49
315678	ValuePro	R13-502A-05-BGℛ	7	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	.20	—	Solder	Green	1.75	1.49	1.25
315660	ValuePro	R13-502A-05-BRℛ	7	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	.22	—	Solder	Red	1.75	1.49	1.25
174414	ValuePro	R13-510A	16	2	SPST off-(on)	3A @ 125VAC	.500"	.82 (D) x 1.02 (T)	—	.167	Solder lugs	Red	.95	.85	.75
315820	ValuePro	R13-508AL-05-BRRℛ	17	4	SPST off-(on)	3A @ 125VAC	.630"	.93 (D) x 1.14 (T)	.21	.25	Solder w/ LED	Red	2.49	2.25	1.95
2160737	ValuePro	R13-508A-05-RBℛ	17	2	SPST off-(on)	3A @ 125VAC	.630"	.94 (D) x 1.16 (T)	.24	—	Solder	Red	2.25	1.95	1.75
315791	ValuePro	R13-508A-05-BBℛ	17	2	SPST off-(on)	3A @ 125VAC	.630"	.94 (D) x 1.16 (T)	.24	—	Solder	Black	2.49	2.25	1.95
22218	Judco	J1882	1	2*	SPST off-(on)	4A @ 14V	.375"	.65 x .52 x .40	.25	—	5" Pigtail	Red	1.39	1.25	1.09
200774	ValuePro	TPI2SH8AQE	18	3	SPDT off-(on)	1A @ 120VAC	.219"	.32 x .20 x .33	.20	.10	PC right angle	Black	2.25	1.95	1.75
121305	ValuePro	GPB006-WHℛ	19	3	SPDT on-(on)1	1A @ 120VAC	.250"	.52 x .27 x .38	—	.185	Solder lugs	White	3.75	3.49	3.15
2159592	E-Switch	800-SP8-B7-M7-Q-E	20	3	SPDT on-(on)	3A @ 120VAC	.240"	.20 x .34 x .32	.10	—	PC right angle	Black	2.95	2.65	2.35
28063	ValuePro	PB126ℛ	19	3	SPDT on-(on)1	3A @ 120VAC	.250"	.52 x .28 x .38	—	.185	Solder lugs	Black	3.75	3.49	3.15
2181386	ValuePro	WJ-DS03ℛ	24	3	SPDT off-(on)	10A @ 125VAC	.335"	1.6 x 1.0 x .54	—	—	Solder tab	White	3.95	3.59	3.29
154878	Eaton Corp.	PS11-123	21	3	SPDT off-(on)	5A @ 125VAC	.250"	.50 x .27 x .37	—	.14	Solder right angle	Red	1.09	.99	.85
2159605	C&K Switch	TP21SH9ABE	23	4	DPST off-(on)	1A @ 120VAC	.187"	.32 x .32 x .38	.20	.10	PC right angle	Black	4.95	4.49	3.95
594718	C&K Switch	PVA2EEH21.7N	22	6	DPDT on-(on)	.1A @ 32VDC	—	.36 x .36 x .43	.24	.10	PC pin	White	.99	.85	.75
2181407	ValuePro	01-690Cℛ	26	6	DPDT off-on	4A @ 125VAC	.472"	1.7 x .71 x .98	.35	—	Solder lugs	Silver	3.95	3.59	3.19
2184376	ValuePro	SF17027F-0302-21R-Lℛ	25	9	3PDT	1A @ 500VAC	.472	2.0 x .77 x .67	.13	.14	Solder lugs	White	6.95	5.95	5.25
2181415	ValuePro	01-690DB-RHℛ	25	9	3PDT off-on	4A @ 125VAC	.472	1.7 x .68 x .77	.21	.19	Solder lugs	Silver	4.49	3.95	3.59

*Lead wires   † Alt = alternate action   § Illuminated: red/green   Additional panel mounting hardware: 1 2182477; 2 2182688; 3 2183242; 4 2182733, see pg 81

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Subminiature Toggle Switches

★**Web Code: NAN**

- Mounting hole diameter: 7/32 (.21")
- Round toggle
- Thread: 10-48 UNS
- Pre-tinned leads
- Metal construction

Includes: Panel mounting hardware

Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form ( ) Momentary	Contact Rating	Dimensions (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Terminal Type	Pricing 1	Pricing 10	Pricing 100
72161	ValuePro	SW1501ℛ§	1	2	SPST on-off	5A @ 120VAC & 1.5A @ 250VAC	.33 x .21 x .33	.10	—	Solder lugs	$1.49	$1.35	$1.19
567752	Fujisoku	AT1D-6M3	2	3	SPDT on-on	0.05A @ 48VDC/VAC	.37 x .22 x .33	.30	.10	PC right angle	1.75	1.49	1.25
106067	ValuePro	SWP124	2	3	SPDT on-on	0.4VA max.	.25 x .33 x .40	.20	.10	PC right angle	1.99	1.79	1.59
2192544	C&K	T101MH9V3B	5	3	SPDT on-on	0.4VA @ 20VAC/20VDC	.32 x .20 x .34	.10	—	Solder lugs	2.75	2.49	2.25
75969	ValuePro	SWM136§	1	3	SPDT on-on	3A @ 125VAC & 1.5A @ 250VAC	.33 x .21 x .33	.10	—	Solder lugs	1.85	1.69	1.49
72557	ValuePro	GTS304§	1	3	SPDT on-off-on	1.0A @ 250VDC	.32 x .20 x .28	.10	—	Solder lugs	1.49	1.35	1.19
2076228	C&K (sealed)	ET05J6ABE	3	3	SPDT (on)-off-(on)	0.4VA @ 20VDC/VAC	.32 x .32 x .20	.20	.10	PC right angle	.39	.35	.29
75977	ValuePro	SWM137§	4	6	DPDT on-on	3A @ 125VAC	.33 x .37 x .33	.17	.10	Solder lugs	1.95	1.75	1.59
138907	ValuePro	SW1503	4	6	DPDT on-off-on	3A @ 125VAC & 1.5A @ 250VAC	.36 x .37 x .33	.17	.10	Solder lugs	1.75	1.49	1.25
2182549	ValuePro	10-48HDWR	6	—	Additional 10-48UNS threaded panel mounting hardware for above switches indicated with §						.79	.69	.59

Miniature Toggle Switches

C&K Alcoswitch

cℛUus CSA

★**Web Code: PAJ**

- Mounting hole dia.: 1/4"
- Thread: 1/4-40 UNS-2B
- Waterproof boot seals (pg 70)

Includes: Panel mounting hardware

Fig. 1 Fig. 2 Fig. 3 (PC straight or right angle) Fig. 4 Fig. 5 Fig. 6 (PC or solder lug) Fig. 7 Fig. 8

Part No.	Mfr.	Product No.	Fig.	Pins	Contact Form ( ) Momentary	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Lead Spacing C"	Terminal Type	Lever Type	Pricing 1	Pricing 10	Pricing 100
317228	JVP	1MS9T1B1M1QE[1]	1	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	$1.95	$1.75	$1.59
317287	JVP	1MS9T6B11M1QE[1]	2	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.75	1.49	1.25
2135478	JVP	T100T1B4A2ℛ	3	2	SPST on-off	5 @ 120 & 2 @ 250	.50 x .28 x .35	—	0.185	—	PC straight	Round	1.49	1.39	1.25
76523	JVP	JMT113[1]	1	2	SPST on-off	5 @ 125 & 2 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.49	1.39	1.25
2159584	ALC	AE101SDIV30B	7	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .26 x .40	—	0.185	—	PC straight	Round	1.95	1.65	1.45
2151179	C&K	7101SHZ3BE[1]	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	PC straight	Round	1.49	1.25	1.09
317295	JVP	1MS1T6B11M1QE[1]	2	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.95	1.75	1.49
317236	JVP	1MS1T1B1M1QE[1]	1	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.39	1.25	1.09
2135486	JVP	T101T1B4A2ℛ	3	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .28 x .35	—	0.185	—	PC straight	Round	1.95	1.75	1.55
2135857	JVP	GTS103[1]	1	3	SPDT on-on	5 @ 120 & 2 @ 250	.50 x .28 x .35	—	0.185	—	Solder lugs	Round	1.25	1.09	.95
22833	JVP	MS102F1-Rℛ[1]	2	3	SPDT on-on	5 @ 125 & 2 @ 250	.52 x .28 x .36	—	0.185	—	Solder lugs	Flat	1.75	1.55	1.35
26332	JVP	MPC123Rℛ[1]	4	3	SPDT on-on	5 @ 120 & 2 @ 250	.52 x .32 x .37	—	0.185	—	PC straight	Round	1.99	1.79	1.59
75854	JVP	T101T1B1A1QN[1]	1	3	SPDT on-on	5 @ 120 & 2 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.75	1.55	1.35
2171250	PHL	30-10002B[1]	1	3	SPDT on-on	5 @ 125 & 2 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.95	1.75	1.59
75871	JVP	SWM145	3	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	0.20	PC right angle	Round	1.65	1.49	1.35
71597	JVP	MTS-102-C4	3	3	SPDT on-on	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.133	0.51	PC right angle	Round	1.25	1.09	.99
2181167	C&K	U18SH3CGE[1]	1	3	SPDT on-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.49	1.25	1.09
317244	JVP	1MS3T1B1M1QE[1]	1	3	SPDT on-off-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.75	1.59	1.39
317308	JVP	1MS3T6B11M1QE[1]	2	3	SPDT on-off-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.75	1.59	1.39
21910	JVP	JMT121[1]	1	3	SPDT on-off-on	5 @ 120 & 2 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.49	1.35	1.25
26315	JVP	MPC121[1]	4	3	SPDT on-off-on	5 @ 125 & 2 @ 250	.52 x .32 x .37	—	0.185	—	PC straight	Round	1.65	1.49	1.35
317261	JVP	1MS5T1B1M1QE[1]	1	3	SPDT on-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.49	1.25	1.09
317252	JVP	1MS4T1B1M1QE[1]	1	3	SPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Round	1.95	1.75	1.49
317316	JVP	1MS4T6B11M1QE[1]	2	3	SPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .27 x .35	—	0.185	—	Solder lugs	Flat	1.75	1.59	1.39
2145174	JVP	T104T1A2QNℛ[1]	4	3	SPDT (on)-off-(on)	5 @ 125 & 2 @ 250	.50 x .27 x .35	—	0.185	—	PC straight	Round	1.75	1.59	1.39
75889	JVP	SWM129[1]	1	3	SPDT (on)-off-(on)	6 @ 125 & 3 @ 250	.52 x .32 x .38	—	0.185	—	Solder lugs	Round	1.75	1.59	1.39
2180957	ALC	A101SYZQ	4	3	SPDT on-none-on	5 @ 120 & 2 @ 250	.50 x .27 x .35	0.18	0.180	—	Solder lugs	Round	3.95	3.59	3.19
2171268	PHL	30-10012B	6	6	DPDT on-on	5 @ 120 & 2 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	2.95	2.59	2.39
317472	JVP	1MD1T6B11M1QE[1]	5	6	DPDT on-on	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	1.95	1.75	1.49
21979	JVP	T201T1B1A1QN[1]	6	6	DPDT on-on	5 @ 120 & 2 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.75	1.49	1.25
2179665	NKK	M2022X001ℛ	2	6	DPDT on-on	6 @ 125 & 3 @ 250	.52 x .50 x .38	0.20	0.200	—	PC straight	Flat	3.95	3.59	2.95
26367	JVP	GTS112-Pℛ[1]	6	6	DPDT on-on	5 @ 120 & 2 @ 250	.52 x .50 x .41	0.20	0.157	—	PC straight	Round	1.65	1.49	1.35
22859	JVP	GTS172BLK[1]	5	6	DPDT on-on	5 @ 120 & 2 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Flat	1.95	1.75	1.55
26358	JVP	MPC221[1]	6	6	DPDT on-off-on	5 @ 120 & 2 @ 250	.52 x .52 x .38	0.20	0.185	—	PC straight	Round	2.25	1.95	1.75
21952	JVP	GTS114[1]	6	6	DPDT on-off-on	5 @ 120 & 2 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.95	1.75	1.49
22841	JVP	GTS164BLK[1]	5	6	DPDT on-off-on	5 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Flat	1.75	1.49	1.25
620576	GCE	35-009[1]	6	6	DPDT on-on-on	5 @ 120 & 2 @ 250	.50 x .45 x .40	0.23	0.150	—	Solder lugs	Round	3.95	3.59	3.19
317498	JVP	1MD4T6B11M1QE[1]	5	6	DPDT (on)-off-(on)	5 @ 120 & 2 @ 250	.50 x .45 x .35	0.19	0.185	—	Solder lugs	Flat	1.95	1.75	1.59
75951	JVP	SWM130[1]	6	6	DPDT (on)-off-(on)	6 @ 125 & 3 @ 250	.52 x .52 x .38	0.20	0.185	—	Solder lugs	Round	1.95	1.75	1.49
2135304	C&K	7301SYCB5ERℛ[1]	6	9	3PDT on-on	5 @ 120 & 2 @ 250	.70 x .50 x .40	0.23	0.150	—	PC straight	Round	6.95	5.95	4.95
2170206	JVP	MTS-402	6	12	4PDT on-on	6 @ 125 & 2 @ 250	.90 x .52 x .48	0.17	0.170	0.17	Solder lugs	Round	2.49	2.25	1.95
2182477	JVP	1/4-40HDWR	8	—	Additional 1/4-40 UNS threaded panel mounting hardware (4 pcs.) for above switches indicated with [1]								.79	.69	.59

* ALC = Alcoswitch | C&K = C&K Switches | GCE = GC Electronics | JVP = Jameco ValuePro | NKK = NKK Switches | PHL = Philmore

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Electromech

Toggle Switches, Switch Covers & Rocker Switches

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Standard Toggle Switches

★ **Web Code: NAJ**

- Mounting hole diameter: 1/2"
- Shaft thread: M12 x 0.75
- Waterproof boot seals (below)

2-pin (620787) | 3-pin | 2-pin or 4-pin | 6-pin | Fig. 1 | Fig. 2 | Fig. 3 | Fig. 4 | Fig. 5 | Fig. 6

Part No.	Manufacturer	Product No.	Fig.	Pins	Contact Form	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	A"	B"	C"	Terminal Type	Lever Type	1	10	100
76241	ValuePro	SWM128	1	2	SPST on-off	4 @ 125 & 2 @ 250	1.00 x .56 x .52	.23	—	—	Solder lugs	Round	$2.25	$1.95	$1.75
76232	ValuePro	SWM125	2	2	SPST on-off	6 @ 125 & 3 @ 250	1.00 x .53 x .51	.23	—	—	6" lead wire	Round	2.35	2.19	1.89
2126192	Philmore	30-350B*	2	2	SPST on-off	8 @ 125 & 4 @ 250	1.00 x .64 x .33	.23	—	—	6" lead wire	Round	3.95	3.59	3.25
317825	ValuePro	R13-25A2-01	3	2	SPST on-off	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	.250" quick connect	Round	2.75	2.49	2.19
318027	ValuePro	R13-28A-06	3	2	SPST on-off	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	M3 screw	Round	1.75	1.59	1.39
318002	ValuePro	R13-28A-01ℛ	3	2	SPST on-off	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	2.75	2.49	2.19
621499	GC Electronics	35-3005*	4	2	SPST on-off	20 @ 125 & 10 @ 250	.92 x .64 x .40	—	.47	—	.250" quick connect	Round	3.49	3.25	2.95
318123	ValuePro	R13-28D-01	3	3	SPDT on-off-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	2.39	2.19	1.89
318141	ValuePro	R13-28D-06ℛ	3	3	SPDT on-off-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	M3 screw	Round	3.49	3.09	2.75
158060	ValuePro	JKN32†	1	4	DPST on-off	4 @ 125 & 2 @ 250	1.00 x .56 x .52	.23	—	.23	Solder lugs	Round	1.29	1.15	1.05
76260	ValuePro	SWM126	1	6	DPDT on-on	5 @ 125 & 3 @ 250	1.10 x .77 x .60	.30	.60	.30	Solder lugs	Round	1.95	1.75	1.59
317850	ValuePro	R13-25B1-05	5	6	DPDT on-on	10 @ 125 & 6 @ 250	1.14 x .79 x .62	.40	.40	.40	Solder lugs	Flat	1.95	1.75	1.59
158078	ValuePro	JKN3CC	1	6	DPDT on-on	10 @ 125 & 6 @ 250	1.19 x .76 x .73	.44	.59	.44	Screw lugs	Round	1.49	1.35	1.25
318043	ValuePro	R13-28B-01	3	6	DPDT on-on	15 @ 125 & 10 @ 250	1.33 x .75 x .75	.45	.61	.45	.250" quick connect	Round	3.75	3.25	2.95
567761	ValuePro	T-1224	3	6	DPDT on-off-on	10 @ 125 & 5 @ 250	1.18 x .77 x .75	.40	.60	.40	M3 screw	Round	4.49	3.95	3.59
317972	ValuePro	R13-25E1-05	5	6	DPDT on-off-on	10 @ 125 & 6 @ 250	1.14 x .59 x .62	.38	.38	—	Solder lugs	Flat	2.95	2.59	2.39
2182733	ValuePro	M12HDWR	6		Additional M12 hardware (2 hex nuts, 1 internal lock washer, 1 key lock washer)								.79	.69	.59

*Shaft thread: 15/32-32 use 2182506 (pg 81) for additional panel mounting hardware   † alternate action

Protective and Waterproof Boot Seal Switch Covers

★ **Web Code: SBS**

- Full protection from water, oil, sand, dust, dirt, humidity, moisture and other contaminants
- Applications: aerospace, automotive, computer and electronic equipment • IP68 rated

2150184 (Switch not included) | 2172893 | 2150192 | 2192683

Part No.	Manufacturer	Product No.	Description	Dimensions	1	10	100
2150184	Zago	TH 605-GY	Toggle switch boot seal, gray, 1/4-40, fits miniature toggle switches (pg 69)	0.375" OD x 0.071" ID x 0.500"D	$1.95	$1.75	$1.49
2172893	Philmore	30-1000Bℛ	Toggle switch boot seal, black, 1/4-40, fits miniature toggle switches (pg 69)	0.460" OD x 0.180" ID x 0.572"H	1.95	1.75	1.49
2150192	Zago	TH 606-GY	Toggle switch boot seal, gray, 15/32-32, fits standard toggle switches (above)	0.625" OD x 0.209" ID x 0.890"H	1.95	1.75	1.49
2192683	Zago	TH609-BLKℛ	Toggle switch boot seal, black, 15/32-32, fits standard toggle switches (above)	0.324" OD x 0.226" ID x 0.937"H	2.75	2.49	2.25

Standard Appliance Panel Mount Rocker Switches

★ **Web Code: VBU**

316048 | 316136 | 316451 | 1945284 | 577221 | 316022 | 316014 | 196154 | 1945241 | 2172691 | 2178566 | 2192780 | 316072 | 617473 | 316111 | 316153

Part No.	*Mfr.	Product No.	Pins	Contact Form ( ) Momentary	Contact Rating (A @ VAC)	Dimensions (L" x W" x D")	A"	B"	Rocker Color	Terminal Type	1	10	100
2172738	JVP	1901	2	SPST on-off	4 @ 125 & 6 @ 250	.74 x .26 x .61	.37	—	Black	PCB solder	$1.49	$1.19	$.95
316048	JVP	R13-66B-G-02	3	SPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .47	.31	.31	Green illum.	.187" quick connect	1.35	1.25	1.19
316128	JVP	R13-73B-R-02	3	SPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .87	.35	.35	Red illum.	.187" quick connect	1.65	1.49	1.35
316136	JVP	R13-73B-Y-02	3	SPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .87	.35	.35	Yellow illum.	.187" quick connect	.75	.69	.65
316451	JVP	R13-243A-02	2	SPST on-off	10 @ 125 & 6 @ 250	.83 x .37 x .85	.35	—	Black	.187" quick connect	.95	.85	.75
1945284	PRO	R13-66	2	SPST on-off	10 @ 125 & 6 @ 250	.83 x .59 x .55	.31	—	Dark gray	5.5" wire leads	.49	.39	.29
577221	CHY	RRA22H3BBBNN	2	SPST on-off	12 @ 125 & 10 @ 250	.69 x .51 x .64	.35	—	Black	.187" quick connect	.99	.89	.79
2153158	JVP	RL1-4-A-O-B/B-2	2	SPST on-off	15 @ 125 & 7.5 @ 250	1.3 x .55 x .73	.41	—	Black	.250" quick connect	.99	.89	.79
316022	JVP	R13-66A-R-02ℛ	2	SPST on-off	15 @ 125 & 8 @ 250	.83 x .59 x .63	.31	—	Red	.187" quick connect	.99	.89	.79
316014	JVP	R13-66A-B-02ℛ	2	SPST on-off	16 @ 125 & 10 @ 250	.83 x .59 x .63	.31	—	Black	.187" quick connect	.99	.89	.79
2201914	HNY	028-01011-00	2	SPST on-off	16 @ 125 & 12 @ 250	1.3 x .55 x .90	.26	—	Black	.250" quick connect	.59	.55	.49
2126205	PHL	30-600B	2	SPST on-off	20 @ 125 & 10 @ 250	1.70 x .97 x .70	.25	—	Black	.250" quick connect	1.95	1.75	1.49
196154	JVP	R30NSA-B/B	2	SPST on-off	20 @ 125 & 16 @ 250	1.07 x .42 x .77	.45	—	Black	.250" quick connect	1.19	.99	.89
1945241	ITW	163-099-029	3	SPDT	16 @ 125 & 12 @ 250	1.2 x .55 x .59	.26	.26	Black	.250" quick connect	.69	.59	.49
2172691	DIA	570-11	3	SPDT on-on	.002 @ 20	.49 x .27 x .37	.19	.19	Orange	.08" solder	3.95	3.59	3.29
2178566	CWI	GRS-4012-0050	3	SPDT on-on	8 @ 125 & 4 @ 250	.74 x .50 x .46	.22	—	Red	.187" quick connect	.79	.65	.49
2192780	JVP	62111422-0.0.Nℛ	6	SPDT on-on	8 @ 125 & 4 @ 250	.67 x .46 x .67	.20	.20	Black	PC terminal	2.95	2.59	1.95
2182338	C&K	CM101J12S205QA	3	SPDT on-on	16 @ 125 & 10 @ 250	1.07 x .42 x .63	.43	.43	Black	.250" quick connect	1.95	1.75	1.49
316072	JVP	R13-66D-02	3	SPDT on-off-on	16 @ 125 & 10 @ 250	.83 x .59 x .47	.31	.31	Black	.187" quick connect	.99	.89	.79
617473	GCE	35-695	3	SPDT (on)-off-(on)	16 @ 125 & 16 @ 250	.93 x .43 x .62	.34	.56	Black	.250" quick connect	4.49	3.95	3.59
316111	JVP	R13-73A2-B-02ℛ	4	DPST on-off	9 @ 125 & 6 @ 250	.83 x .59 x .68	.20	.34	Black	.187" quick connect	1.49	1.35	1.19
316153	JVP	R13-73C-R-02ℛ	4	DPST on-off	10 @ 125 & 6 @ 250	.83 x .59 x .87	.20	.34	Red illum.	.187" quick connect	1.49	1.35	1.19
2158522	JVP	GP1231100M00	4	DPST on-off	10 @ 125 & 8 @ 250	.83 x .59 x .63	.20	.34	Black	.187" quick connect	1.15	.99	.89
2188641	CHY	WRG32F2FYYNNℛ	6	DPST on-off	16 @ 125/250	1.06 x .85 x 1.14	.45	.41	Light gray	.250" quick connect	1.19	1.09	.95

* CHY = Cherry | C&K = C&K Components | CWI = CW Ind. | DIA = Dialight | GCE = GC Electronics | HNY = Honeywell | JVP = ValuePro | ITW = Illinois Tool | PHL = Philmore | PRO = Pronic Electronics

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

EGE Rotary DIP Switches

- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction
- Terminals: PC pin leads
- Life: 10,000 cycles min.
- Op. force: 500g-cm max.
- Lead spacing: A = 0.1"; B = 0.3"
- Size: .39"W x .39"D x .20"H
- Material: UL94V-0 grade • Top adjustment
- Max. switching load rating: 25mA @ 24VDC
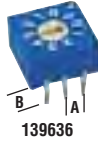
139636

★ Web Code: UAX

Part No.	Mfr. Part No.	Type	Pos.	1	10
139636	ERD110RSZ𝓡	BCD	10	$2.89	$2.59
139652	ERD116RSZ𝓡	HEX	16	2.95	2.65

Series 94H Rotary DIP Switches

- Make and break rating: 30mA @ 30VDC
- Contact resistance: 50Ω max.
- Carrying current rating: 100mA @ 30VDC
- Dielectric strength: 500VAC RMS (initial) **473457**
- Insulation resistance: 5000MΩ min (initial)
- Mechanical life: 10,000 cycles of operation
- Contact material and plating: copper alloy plated, 30µ" gold over 50µ" nickel
- Contact terminals: copper alloy plated, 100µ" tin/lead over 50µ" nickel **473351**
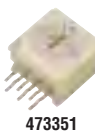
473457: 0.270" actuator height SMT

473351: flush actuator type, right angle thru hole

Part No.	Mfr. Part No.	Type	Pos.	1	10
473457	94HBB10WT	BCD	10	$1.75	$1.49
473351	94HAB16RA	HEX	16	1.25	1.09

JAMECO ValuePro Rotary Switches

- Contact rating: 30VDC @ 0.3A; except P/N 2170353: 125VAC @ 0.3A
- Insulation resistance: 10MΩ min.
- Mounting hole diameter: 3/8"; except P/N 2170353: 0.345"
- Contact resistance: 30mΩ

101574

- Material: solid brass bushings, slotted aluminum shafts (except for P/N 2170353: D-type); round, plated frame, plastic contact wafer (except for P/N 2170353: Phenolic casing)
- Solder eyelet lugs
- Make before break except for ones noted with "†"
- Shaft size: 0.46"L x 0.25" Dia.; except P/N 2170353: 0.34"L x 0.25" Dia.   • Layers: 1
- Lug size: 0.07"   • Panel mount
- P/N 2170353 size 0.32"L x 0.25"Dia.

★ Web Code: TMU

2182709

Part No.	Product No.	Poles	Pos.	1	10	100
2184464	SR2511F-0107𝓡	1	7	$2.75	$2.49	$2.09
2184430	SR2511F-0109𝓡	1	9	2.75	2.49	2.09
101532	G3SR026𝓡	1	12	1.25	1.09	.95
2184448	SR2511F-0112𝓡†	1	12	2.75	2.49	2.09
2170353	SR2511F-25FN𝓡†	2	5	2.25	1.95	1.75
101574	G3SR022𝓡	2	6	1.25	1.09	.95
2184472	SR2511F-0303𝓡	3	3	2.75	2.49	2.09
101566	G3SR023𝓡	3	4	1.25	1.09	.95
101558	G3SR024𝓡	4	3	1.25	1.09	.95
2184481	SR2511F-0602𝓡	6	2	2.75	2.49	2.09
2184456	SR2511F-0602𝓡†	6	2	2.75	2.49	2.09
2182709	Additional panel mtg. hardware			.79	.69	.59

JAMECO ValuePro Standard, Low Profile, Piano & Right Angle DIP Switches

- Switch contacts: SPST (except P/N 2122781 – DPST)
- Piano switches have raised lever

★ Web Code: UCY

696950 (Standard)   **38842 (Standard)**

696917 (Standard)   **139003 (Low Profile)**   **139012 (Low Profile)**   **2076156 (Right Angle)**

AMP / Grayhill

Compatible Socket Chart, see page 13 for Sockets

Switch	Socket	Switch	Socket
2-position	112193	7-position	112214
3-position	112193	8-position	112222
4-position	112206	9-position	112231
5-position	112214	10-position	38608
6-position	112214	12-position	112282
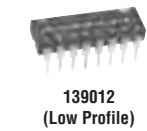
✳ Order in multiples of 10

Part No.	Product No.	*Mfr.	*Type	Pos.	1	10	100
788408	78F01T𝓡	GRY	1,5	1	$1.75	$1.49	$1.25
2122781	78F02𝓡	GRY	1,5	2	.59	.49	.39
109059	206-2-VP-R𝓡	JVP	1,5	2	.85	.79	.69
2076156	SDAX-2RX-X	BNS	3,5	2	✳	.19	.15
206359	206-3	JVP	1,5	3	.59	.49	.39
202472	ADF03	ALC	2,6	3	.39	.29	.25
38820	DT-04VP𝓡	JVP	1,5	4	.85	.75	.65
696950	78B04ST𝓡	GRY	1,5	4	1.25	1.09	.89
2082231	3-4356405	AMP	1,7	4	.59	.49	.45
696888	76SB04𝓡	GRY	1,7	4	1.09	.99	.89
139003	206-4LP𝓡	JVP	2,5	4	.99	.89	.79
546759	3-435668-5	AMP	1,8	5	.59	.49	.45
2076674	DPL-06KT	JVP	1,4,7	6	.35	.29	.25
2181175	DP06	JVP	1,4,8	6	.49	.39	.29

Part No.	Product No.	*Mfr.	*Type	Pos.	1	10	100
38826	206-6	JVP	1,5	6	$.99	$.89	$.79
2076201	A6D-6100LP	OMN	2,6	6	.39	.29	.25
2082257	BD07	C&K	1,5	7	.39	.29	.25
1932707	5435802-1𝓡	AMP	1,4,7	8	.99	.85	.75
38842	206-8	JVP	1,5	8	.79	.69	.65
38843	206-8R𝓡	JVP	1,5	8	.85	.75	.65
696917	76SB08ST𝓡	GRY	1,7	8	1.29	1.09	.99
1939562	4-435626-2	AMP	1,8	8	.65	.55	.45
139012	DK-08R𝓡	JVP	2,6	8	1.09	.99	.89
2082476	JS8722-9	JVP	1,5	9	.59	.49	.39
2082273	1109-6952	JVP	1,6	9	.35	.29	.25
38797	206-10	JVP	1,5	10	.99	.89	.79
206481	2-435802-2	AMP	1,4,7	12	.95	.85	.75
2082290	902018	JVP	1,6	12	.75	.65	.55

*1. Standard; 2. Low Profile; 3. Right Angle; 4. Piano Style; 5. Slide Raised; 6. Slide Flush; 7. Rocker Raised; 8. Rocker Flush

C&K A Series Rotary Switches

- 30° index flatted actuator, 3/8-32 threaded mounting style
- Solder lug termination
- Dielectric strength: 1000Vrms
- 15,000 make & break cycles
- Contact resistance: 20mΩ typical @ 2-4VDC
- Contact rating: 2.5A @ 125VAC; 350mA @ 250VDC
- Contact and terminals: brass, silver plated
- Housing/actuator: glass filled 6/6 nylon (UL94V-0)
- Stop style: Adjustable
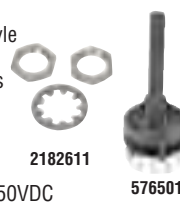
2182611   **576501**

Part No.	Mfr. Part No.	Poles	Pos.	Act. Ht.	1	10
576501	A11215RNZQ𝓡	1	12	1.5"	$5.49	$4.95
576421	A20615RNZQ	2	6	1.5"	5.49	4.95
2132234	A30403RNCBE	3	4	0.375"	2.95	2.75
2182611	Additional panel mtg. hardware				.79	.69

E-SWITCH Rotary Switch

- 1 to 4 poles   • No stop option
- 1 to 12 positions
- Operating force: 8.6 N/cm
- Insulation resistance: 100MΩ
- Rating: 350mA @ 125VAC; 150mA @ 250VAC

Part No.	Product No.	1	10	100
2167322	KC52A13.00NPS𝓡	$1.95	$1.75	$1.49
2182611	Additional panel mtg. hardware	.79	.69	.59

Pocket Trim Potentiometer Adjustment Tool

- Glass-filled body
- Stainless steel blade

Part No.	Description	Size	1	10	100
153315	Trimmer tool𝓡	5.2"L	$1.95	$1.75	$1.49

JAMECO ValuePro Round Keylock Switches

- Used in computer and other security systems
- Mounting hole = 0.75" (except P/N 106650 = 0.5")
- Key removable from 2 positions   • Two keys

106650 key different;

105832: All keys are different;

196649: All keys are alike   **Includes:** Mounting nut

2167701: Key removable in 1 position, .577" mounting hole; DPDT

2167710: Key removable in 4 position, .732" mounting hole; SP4T

2172025: Key removable in 4 position, .413" mounting hole; SPDT

★ Web Code: RAN

106650   **105832/196649**   **2167701**   **2167710**

Part No.	*Mfr.	Product No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	1	10	100
106650	JVP	KS4B𝓡	2, 0.21"	0.55"	Barrel	125VAC/3A	$5.49	$4.95	$4.49
105832	JVP	KS3B𝓡	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	5.49	4.95	4.49
196649	JVP	3313E-M𝓡	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	5.95	5.49	4.95
2167701	JVP	31-295-025D	1, 0.574"	1.42"	0.126" solder, quick conn.	250VAC/5A	4.95	4.49	3.95
2167710	LOR	KC77362	4, 1.1"	1.42"	Solder	110VAC/.35A	4.95	4.49	3.95
2172025	JVP	S116-1	1, 0.42"	1.20"	Solder	125VAC/1A	4.95	4.49	3.95

* **ALC** = Alcoswitch | **AMP** = AMP/Tyco | **BNS** = Bourns | **C&K** = C&K Switches | **GRY** = Grayhill | **JVP** = Jameco ValuePro | **LOR** = Lorlin Electronics | **OMN** = Omron

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Electromech

Tactile, Cord & Speciality Switches

OMRON C&K Tactile Switches ★ Web Code: QBF

- Bounce time: 10 msec.
- SPST momentary ON
- Lead type: PC
- Contact resistance: 100mΩ

Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7 Fig. 8 Fig. 9 Fig. 10

✳ Order in multiples of 10
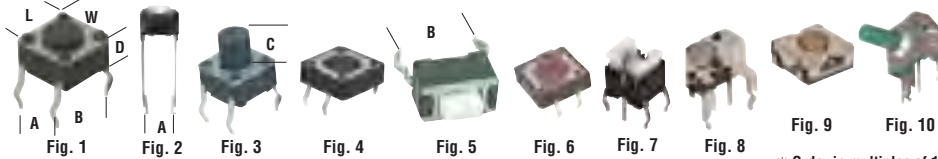
Part No.	◉Mfr.	Product No.	Fig.	Pins	Contact Rating (mA @ VDC)	L	W	D	C	A"	B"	Button Color	1	10	100
1586074	PAN	EVQ-PAG04K	1	4	20 @ 12	.24	.24	.14	.05	.17	.26	Black	$.35	$.29	$.25
199726	PAN	EVQ11A04M	2	2	20 @ 15	.24	.24	.14	.03	.20	.17	White	.39	.35	.29
2095120	PAN	EVQ11L07K	2	2	20 @ 15	.24	.24	.14	.11	.20	—	Black	.39	.35	.29
119011	JVP	KTIIBICM𝓡	1	4	20 @ 15	.24	.24	.15	.03	.17	.25	Black	.35	.29	.25
149948	JVP	KT11P4CM	3	4	20 @ 15	.24	.24	.15	.13	.17	.25	Black	.35	.29	.25
122973	JVP	DTS1212𝓡	4	4	20 @ 15	.47	.47	.18	—	.20	.50	Black	.39	.35	.29
2162791	ALP	SKHLAAA010	5	2	50 @ 12	.24	.14	.14	.06	—	.26	Black	.35	.29	.25
155249	JVP	KRS-3550-BK𝓡	5	2	50 @ 12	.24	.14	.15	—	—	.27	Brown	.39	.35	.29
155256	JVP	KRS-3550-WH	5	2	50 @ 12	.24	.14	.15	.03	—	.26	White	.39	.35	.29
153252	JVP	SDT620K𝓡	1	4	50 @ 12	.24	.24	.15	.06	.17	.25	Black	.35	.29	.25
153251	ESW	TL1105-A	1	4	50 @ 12	.24	.24	.15	.06	.17	.25	Black	.29	.25	.19
155380	JVP	KRS-1273B𝓡♦	6	4	50 @ 12	.47	.47	.14	.14	.17	.53	Brown	.45	.39	.35
162886	OMN	B3F-1000𝓡	1	4	50 @ 24	.24	.24	.13	.03	.17	.25	White	.39	.35	.29
2076261	OMN	B3E-1100-Red*	7	4	50 @ 24	.24	.24	.19	.07	.17	.25	Red	✳	.15	.12
2076287	OMN	B3E-1300-Green*	7	4	50 @ 24	.24	.24	.19	.07	.17	.25	Green	✳	.15	.12
1953575	OMN	B3F-3122	8	4	50 @ 24	.29	.29	.25	.06	.17	.28	Gray	.29	.25	.19
2076252	ITT	KSC121JB	9	4	50 @ 32	.24	.24	.10	—	.15	.26	Gray	✳	.05	.04
583461	C&K	KSA0V311	8	4	50 @ 50	.32	.31	.23	.04	.30	.20	Green	.39	.35	.29
587180	C&K	KSL0V311	10	4	50 @ 50	.37	.32	.24	.22	.20	.30	Green	.45	.35	.29
2076148	JVP	KFC-A12-A	1	4	100 @ 50	.47	.47	.15	.08	.17	.50	Black	.35	.29	.25

* Illuminated ♦ See switch cap below

Tactile Switch Cap

Order in multiples of 10

Part No.	◉Mfr.	Cross Ref. No.	Description	Dimensions	Material	For Use With	10	100	1000
155409	JVP	KRS-CAP-B𝓡	Round	.50"Dia. x .25"H	Plastic	P/N 155380	$.19	$.15	$.12

Switchcraft® Cord-Switch® ★ Web Code: CSH

- Max. cable dia.: .375"
- Plastic insulation
- Contact form: SPDT off-(on)
- Button color: red
- Die-cast zinc plated housing • 1-C switching circuit
- Copper alloy plated switch body and insert bushing

Part No.	Mfr. Part No.	1	10	50
297502	ED903𝓡	$15.95	$14.49	$12.95

Inline Cord Switch ★ Web Code: CSH

- Contact form: SPST on-off
- Terminal: solder
- Contact rating: 6A @ 120VAC
- Black plastic body
- Rocker actuator

Part No.	Mfr. Part No.	1	10	100
621270	35-1851-BU	$3.75	$3.49	$3.25

JAMECO ValuePro Magnetic Reed Switches ★ Web Code: UBB

- NO (normally open)
- Contact form: SPST

1951342

Part No.	Cross Ref. No.	Contact Rating	Size (L" x D")	Type	1	10	100
171872	MKA14103𝓡	0.5A @ 100VDC	0.53 x 0.1	Axial	$1.49	$1.29	$1.09
1951342	MKC-27103	1.0A @ 220VDC	2.24 x 0.1	Axial	1.95	1.75	1.49

GC Magnetic Proximity Switches C&K ★ Web Code: SPS

- Current rating: 0.5A @ 20VAC/VDC; 0.08A @ 120VAC, P/N 588131: 30VAC @ .3A

617529 617545 588131

Part No.	◉Mfr.	Mfr. Part No.	Contact Form	Actuator	Terminal Type	1	10	100
617529	GCE	35-752	SPDT NO/NC	Use magnet	Leaded SD	$9.95	$8.95	$7.95
617545	GCE	35-756	SPDT NO/NC	Use magnet	Screw term., 1/4" gap, surface mount	6.25	5.59	4.95
588131	C&K	MPS45WGW	SPST NO	Use magnet	Lead wires, 22AWG, 12"L	5.95	5.49	4.95

Incremental Encoders ★ Web Code: ECR

- SPST push ON momentary • Insulated shaft
- Vertical through-hole PC terminals
- Rotational life: 15,000 cycles minimum
- Closed circuit resistance: 3Ω max.

Part No.	Mfr.	Size	Detents	1	10
2123531	Parallax	6mm	16	$6.95	$6.25
2184341	Alpha	11mm	30	2.69	2.25
2184368	Alpha	12mm	12	1.89	1.55
776386	Bourns	12mm	24	1.19	1.09
2184333	Alpha	16mm	24	2.59	2.19
2184350	Alpha	20mm	16	4.39	3.75

Temperature Switch

- SPST-NC (Normally-Closed)
- Contact current: 5A • PCB mount
- Contact voltage: 120V • 1.64"L leads
- Operational life: 100,000 cycles
- Contact resistance: 50MΩ or less
- Temp.: 75℃ (167℉) • UL/CSA approved

Part No.	Mfr. Part No.	1	10	100
159636	7AM-202A	$.79	$.69	$.59

AROQUI Capacitive Touch Switch

- 1.7µA @ 1.8V to 80µA @ 5V
- Auto calibrate on power up for panel/overlay thickness (up to 0.4")
- No moving parts, can be mounted behind wood, platic, glass, fabric, etc.
- Use for kiosk control panel, interactive art, industrial control panel or props

Part No.	Mfr. Part No.	Size	1	5
2135806	RK-150	2" x 2"	$12.95	$11.95

JAMECO ValuePro Voltage Selector Switch

- Type SWZ 6-position, panel mount
- Series – parallel connection
- Contact resistance: <10mΩ
- Combination solder and quick disconnect terminals
- UL rated10A @ 250V, and CSA rated 6.3A @ 250V
- Insulation resistance: 10MΩ @ 500VDC/1 min.

Part No.	Cross Ref. No.	1	10	100
2154943	0033.3504	$6.95	$6.25	$5.59

Centrifugal Force Switch

- Contact rating: 0.4VA (max.) @ 20VAC or 20VDC
- Normally open (NO) • Triggers @ 1.5g (min.) to 5g
- Dielectric strength: 500VDC min. for 1 min.
- Insulation resistance:1000MΩ (min.)
- Applications: rotational devices, tire centrifugal force detection, direction or axis motion, motion control • Life: 100,000 cycles (typical)

Part No.	Mfr. Part No.	1	10	100
2126563	RV-RUG-00-000-BB	$1.09	$.95	$.85

30° Rolling-Ball Tilt Switch

- Differential angle: 30° max
- Max. switch rating: <6mA/24VDC
- Electrical life endurance: >50,000 cycles
- Terminal: copper coated with gold

Part No.	Mfr. Part No.	1	10
2158012	107-2010-EV𝓡	$2.75	$2.25

Reed Alarm Switch

- Housing: white ABS
- Contact rating: DC 100V/0.5A
- Standard type magnetic switch: NO & NC
- Mounting w/ screws or double-sided tape

NEW MARKED IN PINK

Part No.	Size (in.)	1	10
2131143	2.5 x 0.5 x 0.5	$6.95	$6.25

Designed for the appliance and temperature control markets, these relays are also well suited for automotive load management.

• Mechanical life: 10 million operations • Electrical life: 100,000 operations • Dielectric strength: 1500V$_{RMS}$ (between contact and coil)

NEW MARKED IN PINK

Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7 Fig. 8 Fig. 9 Fig. 10 Fig. 11 Fig. 12 Fig. 13

Fig. 14 Fig. 15 Fig. 16 Fig. 17 Fig. 18 Fig. 19 Fig. 20 Fig. 21 A B C D E

F G H I J K L M N O P

Q R S T U V W X Y Z AA
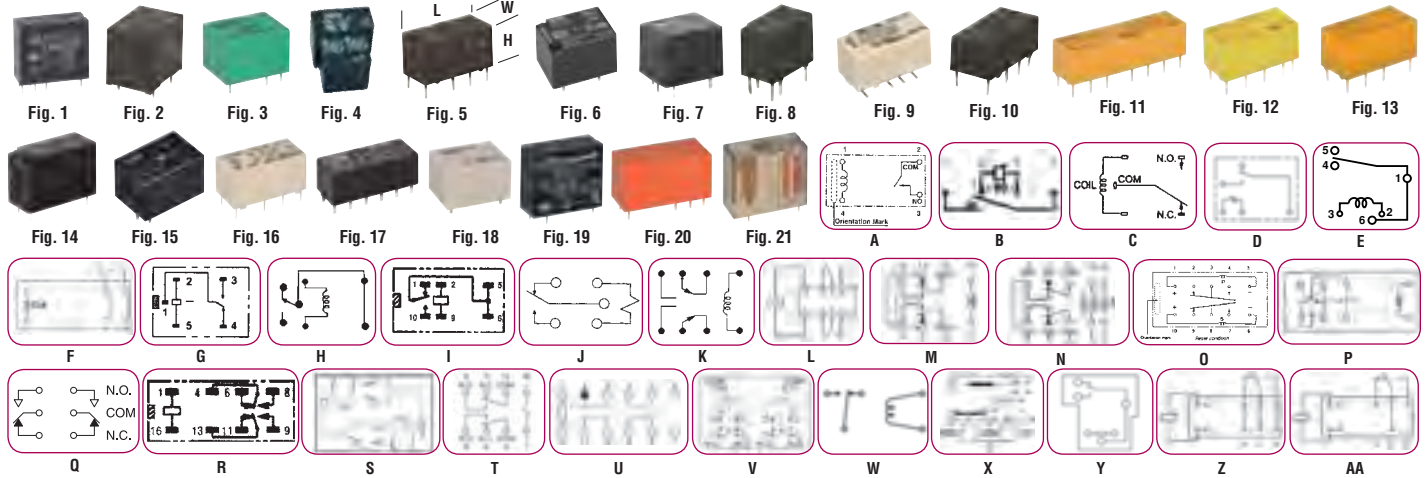
Part No.	Manufacturer	Product No.	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Current	Contact Voltage	Pins	Dimensions (L" x W" x H")	Pricing 1	10	50
2077394	Fujitsu	JV-3S-KT	—	1A	SPST-NO	3VDC	45	5A	250VAC/30VDC	4	.69 x .39 x .49	$2.49	$2.25	$1.95
1860070	Hamlin	HE3621A0500𝓡#	—	1B	SPST-NO	5VDC	500	1A	200VDC	4	.75 x .19 x .30	1.75	1.55	1.25
2089694	Tyco	1-1393194-5𝓡	T77S103-12	2A	SPST-NO	12VDC	720	3A	250VAC/30VDC	4	.72 x .40 x .57	1.95	1.75	1.49
2077378	Fujitsu	FBR161NED006-WB	—	2C	SPST	6VDC	100	10A	120VAC/30VDC	5	.85 x .63 x .63	1.49	1.25	1.09
145753	Rayex	L90A-12W𝓡*	T90S1D12-12	4E	SPST	12VDC	155	30A/20A	240VAC/28VDC	5	1.2 x 1.0 x .77	2.25	2.09	1.95
2167550	Fujitsu	FBR562ND12-N𝓡**	—	18V	SPST	12VDC	170	60A	14VDC	10	1.0 x .78 x .64	2.95	2.59	2.29
134949	Rayex	L90-5W	T90S5D12-5	4E	SPDT	5VDC	27	20A	240VAC/28VDC	6	1.3 x 1.1 x .80	1.95	1.75	1.49
2179551	Nais/Panasonic	RK1-L2-5V𝓡	—	5X	SPDT	5VDC	62.5	.5A	30VDC	10	.80 x .44 x .36	4.95	4.49	3.95
187151	Omron	G5LE-1DC5𝓡	—	2G	SPDT	5VDC	63	10A/8A	120VAC/30VDC	5	.90 x .65 x .75	1.49	1.35	1.19
843155	Panasonic	JS1-5V	T7C55D-05	6C	SPDT	5VDC	69.4	10A/5A	250VAC/100VDC	5	.87 x .63 x .63	1.29	1.19	1.05
174450	Rayex	LU-5𝓡	T81H5D215	7H	SPDT	5VDC	125	1A/2A	120VAC/24VDC	6	.60 x .40 x .45	1.95	1.69	1.49
187240	Omron	G5V-1-DC5𝓡	T5C-105L3H	8I	SPDT	5VDC	166.7	.5A/1A	125VAC/24VDC	6	.50 x .30 x .40	2.95	2.59	2.35
2159197	Rayex	LEG-9F𝓡	—	7J	SPDT	9VDC	225	15A	125VAC/24VDC	5	.73 x .59 x .61	1.75	1.49	1.25
2201543	Schrack	RP419012	—	21AA	SPDT	12VDC	270	8A	250VAC	5	1.14 x .50 x 1.0	1.75	1.59	1.39
2188457	CIT Relay	WJ115F11C12VDCS6.9𝓡	—	4Y	SPDT	12VDC	160	30A	240VAC/30VDC	5	1.25 x 1.06x .80	1.79	1.65	1.39
2155081	ValuePro	895-1C-S-12VDC	—	6F	SPDT	12VDC	225	20A	14VDC	5	.61 x .47 x .54	1.25	1.09	.95
2197636	American Zettler	AZ8	AC8-1CH-12DE	1C	SPDT	12VDC	320	6A	300VAC/150VDC	5	.84 x .64 x .57	1.59	1.45	1.29
2173167	Magnecraft	976XAXH-12D𝓡	—	19W	SPDT	12VDC	270	12A	240VAC/30VDC	5	1.16 x .50 x 1.0	2.95	2.59	2.25
144186	Velleman	JZC-22F	VR15M121C	7J	SPDT	12VDC	337	15A	120VAC/28VDC	5	.80 x .64 x .80	1.49	1.25	1.09
172937	Nais (Aromat)	JS1-12V𝓡	T72M5D121-12	6C	SPDT	12VDC	400	10A/5A	125VAC/24VDC	5	.85 x .62 x .63	1.55	1.39	1.19
2179471	Hongfa	HF3FF-012-1ZST𝓡	—	6C	SPDT	12VDC	400	10A	125VAC/28VDC	5	.74 x .59 x .60	1.25	1.09	.99
174432	Rayex	LEG-12F𝓡	T7CS5D12	7J	SPDT	12VDC	400	15A	120VAC/24VDC	5	.76 x .62 x .60	2.25	2.09	1.89
1937612	Porter & Brumfield	T75S5D112-12𝓡	—	3E	SPDT	12VDC	652	10A/8A	240VAC/24VDC	5	.18 x .39 x .59	3.95	3.59	3.25
184461	Omron	G5V-1-DC12𝓡	—	8I	SPDT	12VDC	960	.5A/1A	125VAC/24VDC	6	.50 x .30 x .40	2.49	2.29	2.09
843201	Aromat/Panasonic	JW1FSN-DC24𝓡	RTB14024F	14D	SPDT	24VDC	1100	10A/10A	250VAC/30VDC	5	1.11 x .49 x .78	1.95	1.75	1.49
2201551	Schrack	RT314024	—	20Z	SPDT	24VDC	1440	16A	250VAC	8	1.14 x .50 x .64	1.79	1.59	1.49
2135726	NEC	EP2-3NIST**	—	15S	DPST	12VDC	225	25A	30VDC (max.)	10	.94 x .64 x .63	3.95	3.59	3.39
2133528	Siemens	V23042-C2108-B101	—	16U	DPDT	3VDC	90	5A	220VAC/250VDC	8	.80 x .40 x .42	1.49	1.35	1.19
2095390	ValuePro	V23079A1011B301	—	5L	DPDT	4.5VDC	145	2A	250VAC/220VDC	10	.57 x .28 x .39	1.75	1.49	1.25
2077415	Fujitsu	BA-5W-K	—	10K	DPDT	5VDC	100	.5A/1A	125VAC/30VDC	8	.59 x .29 x .38	2.09	1.95	1.75
842996	Panasonic	DS2Y-S-DC5V𝓡	—	2C	DPDT	5VDC	125	2A/3A	250VAC/220VDC	8	.78 x .39 x .37	1.95	1.75	1.49
842953	Panasonic	DS2E-S-DC5V𝓡	—	11M	DPDT	5VDC	125	2A	125VAC/30VDC	8	.79 x .39 x .39	3.95	3.59	3.25
843649	Panasonic	TXA2SA-5V𝓡	—	9K	DPDT	5VDC	178	2A	30VDC	8	.59 x .29 x .22	2.49	2.25	1.95
2158338	ValuePro	TC-5VDC-C14𝓡	—	5L	DPDT	5VDC	178	2A	220VDC	8	.59 x .30 x .33	2.49	2.25	1.95
2081650	NEC	EC2-5NJ	—	5K	DPDT	5VDC	178	2A	220VAC/220VDC	8	.59 x .30 x .37	2.49	2.25	1.95
2120516	Panasonic	DS2Y-SL2-DC6V†	—	12N	DPDT	6VDC	200	2A	250VAC/220VDC	10	.79 x .39 x .37	2.75	2.49	2.25
2077386	Fujitsu	AL-D9W-K	—	10O	DPDT	9VDC	45	.5A/1A	125VAC/30VDC	10	.55 x .35 x .20	2.95	2.75	2.49
2158590	Nais (Aromat)	DSBT2-M-2D-DC12𝓡	—	5M	DPDT	12VDC	266.7	1A	250VAC/220VDC	8	.81 x .42 x .42	3.75	3.25	2.85
174378	Rayex	LM2-12D𝓡	RKA5DZ12	1P	DPDT	12VDC	270	5A	250VAC/30VDC	8	1.2 x .48 x 1.0	3.25	2.95	2.69
187258	Omron	G5V-2-DC12𝓡	—	5Q	DPDT	12VDC	288	.5A/2A	125VAC/30VDC	8	.81 x .40 x .45	3.25	2.95	2.69
842873	Panasonic	DS2E-ML2-DC12V𝓡†	—	13Q	DPDT	12VDC	400	2A	250VAC/220VDC	10	.79 x .39 x .39	5.95	5.49	4.95
842902	Panasonic	DS2E-S-DC12V𝓡	—	13R	DPDT	12VDC	720	2A	250VAC/220VDC	8	.79 x .39 x .39	2.95	2.59	2.39
2139049	Omron	G5V-2-HI-DC24𝓡	—	5R	DPDT	24VDC	2880	.83A	125VAC/125VDC	8	.81 x .40 x .45	1.95	1.75	1.49
2133499	SDS/Relais	S3-12V	—	17T	4PST	12VDC	720	4A	250VAC/30VDC	12	1.11 x .48 x .41	3.49	3.19	2.75

*Manufacturer may vary   **Automotive, dual relay, separate type   # SIP package   † Latching

★For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Electromech

3 LEVELS OF SAVINGS | NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Solid State, Enclosed & Reed Relays

OMRON crydom EGE DC/AC and DC/DC Solid State Relays ★ Web Code: DBA
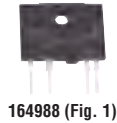
164988 (Fig. 1) **153059 (Fig. 2)** **162342 (Fig. 3)** **186992 (Fig. 4)** **176698 (Fig. 5)** **176648 (Fig. 6)** **2144737 (Fig. 7)**

Part No.	Mfr.	Mfr. Part No.	Control Voltage	Type	Contact Form	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Dimensions (L" x W" x H")	1	10	50
Solid State Relays DC/AC Type																
164988	Sharp	S101S02	1.2VDC@20mA	DC/AC	SPST	125VAC	1.5A	4	1	Solder lead	UL/CSA	0.9 x .16 x .63	$3.95	$3.39	$2.95
164996	Sharp	S202TA1	1.2VDC@20mA	DC/AC	SPST	200VAC	2.0A	4	1	Solder lead	UL/CSA	0.9 x .16 x .63	3.95	3.59	3.25
153059	Rayex	RSR2ND-A24003𝓡	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder lead	UL	1.7 x 0.4 x 2.0	9.95	8.95	7.95
162342	Excel	ESR51024-010𝓡	3-32VDC	DC/AC	SPST	240VAC	10A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	18.95	16.95	15.49
186992	Omron	G3NA-210B-DC5-24	5-24VDC	DC/AC	SPST	240VAC	10A	4	4	Screw terminal	UL/CSA	1.7 x 1.1 x 2.3	24.95	22.95	20.95
2179462	Gordos	M-OAC5AH𝓡	2.75-8VDC	DC/AC	SPST	240VAC	20A	4	2	Solder lead	UL/CSA	1.7 x 1.0 x 0.4	7.95	6.95	5.95
162369	Excel	ESR51024-025𝓡	3-32VDC	DC/AC	SPST	240VAC	25A	4	3	Screw terminal	UL	1.7 x 1.1 x 2.3	21.95	20.95	19.95
175214	Kyoto	KB20C02A	3-32VDC	DC/AC	SPST	280VAC	2A	4	5	Solder lead	CE	1.4 x 0.3 x 1.5	7.95	7.29	6.59
176698	Kyoto	KB20C06A	3-32VDC	DC/AC	SPST	280VAC	6A	4	5	Solder lead	CE	1.4 x 0.3 x 0.9	10.95	9.95	8.95
176719	Kyoto	KD20C40AX	4-32VDC	DC/AC	SPST	280VAC	40A	4	6	Screw terminal	UL/CE	1.7 x 0.9 x 2.3	19.95	17.95	15.95
Solid State Relays DC/DC Type																
172591	Kyoto	KF0602D	3-32VDC	DC/DC	SPST	60VDC	2A	4	5	Solder lead	CE	1.4 x 0.3 x 0.9	$9.95	$8.95	$7.95
175222	Kyoto	KF0604D	3-32VDC	DC/DC	SPST	60VDC	4A	4	5	Solder lead	CE	1.5 x 0.3 x 0.9	9.95	8.95	7.95
2144737	Teledyne	C47F-20	3.8-32VDC	DC/DC	SPST	90VDC	1A	4	7	DIP-14	—	.75 x .25 x .17	5.95	5.49	4.95
176648	Kyoto	KG1005D𝓡	3-32VDC	DC/DC	SPST	120VDC	5A	4	6	Screw terminal	CE	2.3 x 1.7 x 0.9	19.95	18.95	17.95
176655	Kyoto	KG1010D	3-32VDC	DC/DC	SPST	120VDC	10A	4	6	Screw terminal	CE	2.3 x 1.7 x 0.9	24.95	22.49	19.95

CLARE OptoMOS® Solid State Relays

Applications:
Telecom: Tip/Ring circuits, modem switching
Instrumentation: Multiplexers, data acquisition

1583041 ★ Web Code: WDX

A B C D

Part No.	Mfr. Part No.	Package	Description	Schem.	Load Voltage (V)	Current Handling (mA)	On-Resistance (Ω)	Isolation Voltage (Vrms)	Input Control Current (mA)	Off-State Leakage (μA)	Switching Speed (on/off) (ms)	1	10	50
1583041	LCA710𝓡	DIP-6	Single pole, 1-Form-A	A	60	1000	0.5	3750	10	1	2.5/0.25	$4.95	$4.49	$3.95
991220	AQV252G𝓡	DIP-6	Single pole, 1-Form-A	D	60	2500	0.8	1500	5	1	1.1/0.25	4.95	4.49	3.95
1582997	LCA110𝓡	DIP-6	Single pole, 1-Form-A	B	350	120	35	3750	2	1	3/3	2.25	1.95	1.59
1582903	LAA110𝓡	DIP-8	Dual single pole, 1-Form-A	C	350	120	35	3750	5	1	3/3	3.95	3.75	3.49
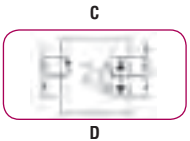
Potter & Brumfield Equivalent Plastic-Enclosed Construction Relays ★ Web Code: PBB

VF Series
- Dielectric strength: 500VDC (between contact & coil)
- Operating temp.: -35°C to +85°C
- Contact current: 40A
- Coil voltage: 12VDC
- Terminal type: quick connect
- Normally open (NO)
- Dimensions: 1.1"L x 1.1"W x 1.0"H

Schematic 1 **Schematic 2** **171433 (Fig. 1)** **171442 (Fig. 2)** **171460 (Fig. 3)**

RESISTOR IF USED

Part No.	Mfr.	Product No.	P&B Cross Ref. No.	Fig.	Contact Form	Coil Voltage	Coil Ohms	Contact Schematic	Pins	1	10	50
1810179	Rayex	LD1A-12BP𝓡*	—	2	SPST-NO	12VDC	80	1	4	$2.09	$1.95	$1.75
171460	Rayex	LD1A-12F𝓡	—	3	SPST-NO	12VDC	80	1	4	2.95	2.69	2.39
171442	Rayex	961A-1A12D𝓡†	—	2	SPST-NO	12VDC	80	1	4	1.95	1.75	1.59
171522	Rayex	LD5F𝓡	VF4-45D11	3	SPDT	5VDC	14	2	5	1.75	1.49	1.25
148583	Rayex	LD12F𝓡	VF4-85F11	1	SPDT	12VDC	78	2	5	2.95	2.59	2.29
2094135	Sanyou	SARL-112D𝓡	VF4A-15F11	2	SPDT	12VDC	80	2	5	3.95	3.59	3.25
2094151	Sanyou	SARL-112DF𝓡	VF45A-45F11	1	SPDT	12VDC	80	2	5	3.95	3.59	3.39
171433	ValuePro	961A-1C-12DM𝓡	VF4-81F11	1	SPDT	12VDC	90	2	5	3.25	2.95	2.69
2094186	Sanyou	SARL-125D𝓡	VF4A-15F11	2	SPDT	24VDC	320	2	5	3.49	3.25	2.95
2094194	Sanyou	SARL-124DF𝓡	VF4A-45H11	1	SPDT	24VDC	320	2	5	3.95	3.59	3.25

* PCB terminals   † Comes with a removable clip

BEST SELLING MULTI CONDUCTOR WIRE

Part No.	Description	Price
644383	4 conductor, 24 AWG, 25 feet	$7.95
644391	4 conductor, 24 AWG, 100 feet	29.95

Reed Type Relay
- Contact form: SPST-NO
- Terminal type: PCB solder
- Contact voltage: 120VAC/60VDC
- Coil voltage @ contact rating: 12V @ 11.4mA
- Dimensions: 1.0"L x 0.37"W x 0.38"H

Part No.	Cross Ref. No.	Pins	1	10	50
111448	BR-1050	4	$1.95	$1.75	$1.49

Relay Socket with Coil Diode
VF Series
- 14 AWG: 2 black & 1 blue wire; 18 AWG: 1 black & 1 red wire (7.5" length)
- Contact voltage/current: 12V/20A
- Diode coil suppression
- Use with P/N 148583 (left)

Part No.	Product No.	1	10	50
170624	RSDO3	$2.49	$2.25	$2.09

Aromat | EGE | KEST | HAMLIN — DIP & SIP Relays

★Web Code: QAN

- Logic control levels
- Long life with reliable operation
- Excellent for PCB applications
- Compatible with IC sockets
- Compact design/construction
- Moisture resistant

106463 | **1860088** | **2081377** | **Fig. 1** | **Fig. 2** | A | B | C
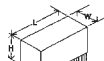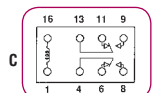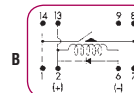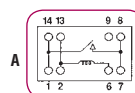
Part No.	Manufacturer	Product No.	Fig.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Dimensions (L" x W" x H")	Leads (A" x B"x C")	1	10	100
138431	Excel	2D1A05℞	1B	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.77 x .30 x .22	.10 x .40 x .30	$2.75	$2.49	$2.25
106463	Excel	201A05℞	1A	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.78 x .25 x .20	.10 x .40 x .30	2.75	2.49	2.25
1860088	Hamlin Breed	HE3621A0510℞	—	SPST-NO	5VDC	500	200VDC	0.5A	4†	—	.75 x .20 x .30	.20 x .60	1.35	1.19	.99
106472	Excel	201AIZ℞	1A	SPST-NO	12VDC	1000	100VDC	0.5A	8	37162	.78 x .25 x .20	.10 x .40 x .30	1.95	1.75	1.49
139977	ValuePro	RSB5S	2C	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37373	.79 x .39 x .37	.20 x .40 x .30	2.75	2.49	2.25
2081414	KEST	KS2E-M-DC5	2C	DPDT	5VDC	128	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.95	2.75	2.49
173914	Aromat	DS2YES-S-DC5V	2C	DPDT	5VDC	125	125VAC/100VDC	0.5A/1.25A	8	37402	.79 x .38 x .44	.18 x .28 x .29	2.49	2.25	1.95
2081377	KEST	KS2E-M-DC12	2C	DPDT	12VDC	708	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.95	2.75	2.49
99311	Aromat (NAIS)	DS2Y-S-DC12V℞	2C	DPDT	12VDC	720	110VAC/30VDC	0.3A/1A	8	37373	.79 x .40 x .43	.20 x .40 x .30	2.95	2.75	2.49
2081406	KEST	KS2E-M-DC24	2C	DPDT	24VDC	1440	125VAC/28VDC	1A/2A	8	37373	.83 x .40 x .48	.20 x .30 x .30	2.95	2.75	2.49

† SIP

JAMECO ValuePro | P&B — General Purpose Power Relays

★Web Code: GPR 2167453 611928 137358 2208147 552462

For complete specifications visit www.Jameco.com

Part No.	Mfr.	Product No.	Contact Form	Rating	Contact Rating	Coil Resis.	Contact Type	1	10	50
2167453	Panasonic	JTVIAS-PA-12℞	SPST	12VDC @ 83mA	30A, 277VAC	144Ω	PCB terminals	$2.95	$2.59	$2.29
2092981	Omron	G8P-1A4P	SPST-NO	24VDC @ 36mA	30A, 250VAC	660Ω	PCB terminals	4.95	4.49	3.95
611928	P&B	T9AP1D52-48-03	SPST-NO	48VDC @ 21mA	30A, 240VAC	2304Ω	Quick connect: .187" for coil/.250" for contacts	4.49	3.95	3.69
137358	ValuePro	953-1C12DM-R℞	SPDT	12VDC @ 77mA	20A, 240VAC/28VDC	155Ω	Quick connect: .110" for coil/.250" for contacts	3.25	2.95	2.65
2208147	ValuePro	T92P7D22-12℞	DPST-NO	12VDC @ 140mA	30A, 277VAC	86Ω	.250" quick connect	9.95	9.49	7.95
2208155	ValuePro	T92P7D22-24℞	DPST-NO	24VDC @ 70mA	30A, 277VAC	350Ω	.250" quick connect	9.95	9.49	7.95
552462	P&B	PRD-7AG0-120	DPST-NO	120VAC @ 85mA	30A, 240VAC	290Ω	Screw: #8-32 for main; #6-32 for contacts	33.95	31.95	29.95

JAMECO ValuePro — General Purpose Blade and Octal Relays

OMRON P&B ★Web Code: ACF

- UL/CSA approved
- Industry standard termination for quick installation
- Wide range of coil voltages for industrial and commercial applications

Fig. 1 | **Fig. 2** | **Fig. 3** | **Fig. 4** | **Fig. 5** | **Fig. 6**

Part No.	Mfr.	Product No.	Fig.	Contact Form	Coil Voltage	Contact Rating	Coil Resis. (Ω)	Coil Current (mA)	Mating Socket* Standard	Mating Socket* DIN Rail	Pricing 1	Pricing 10	Pricing 50
2119996	Omron	G2R-1-E-ASI℞†	1	SPDT	24VDC	16A @ 250VAC; 16A @ 30VDC	1100	21.8	—	—	$2.25	$1.95	$1.75
2093079	Omron	LY2F-DC12℞	1	DPDT	12VDC	10A @ 24VDC; 10A @ 110VAC	160	75	PT08	175531	5.95	5.39	4.25
139766	Rayex	MK2P-I	2	DPDT	12VDC	10A @ 28VDC; 10A @ 240VAC	120	10	141145	141145	7.95	7.29	5.95
282378	P&B	KRPA-11DG-12℞	3	DPDT[1]	12VDC	10A @ 240VAC	120	100	282132	—	15.95	14.95	13.95
172719	ValuePro	LB2-12DS-R℞	4	DPDT	12VDC	12A @ 30VDC; 12A @ 240VAC	160	75	175531	282191	6.49	5.95	5.49
282255	P&B	K10P-11D15-12℞	5	DPDT	12VDC	15A @ 30VDC; 15A @ 120VAC	160	75	282191	282191	12.95	11.95	10.95
175565	ValuePro	LB2-24DS-R℞	4	DPDT	24VDC	12A @ 30VDC; 12A @ 240VAC	650	37	175531	282191	6.49	5.95	5.49
175573	ValuePro	LB2-110ASR℞	4	DPDT[1]	110VAC	12A @ 30VDC; 12A @ 240VAC	3,900	28	175531	282191	6.95	6.29	5.25
139740	Beta	BTA6-2C-J-CW-120VAC℞	2	DPDT	120VAC	10A @ 28VDC; 10A @ 240VAC	1,700	122	141145	141145	7.95	6.95	5.75
282247	P&B	K10P-11A15-120℞	5	DPDT	120VAC	15A @ 30VDC; 15A @ 120VAC	3,900	11	282191	282191	10.95	9.95	8.95
2179809	Omron	G7J-4A-P AC200/240℞	6	4PST(No)	240VAC	25A @ 30VDC; 25A @ 220VAC	—	10.8	—	—	12.95	11.95	10.95
2167461	Omron	MY4-DC12℞	1	4PDT	12VDC	3A @ 30VDC; 3A @ 250VAC	160	75	2167470	2167470	8.95	7.95	6.95
291507	ValuePro	LB4H-12DS-R℞	4	4PDT	12VDC	5A @ 30VDC; 5A @ 240VAC	160	75	175557	175557	4.95	4.49	3.95
2167496	IDEC	RY4S-UL℞	1	4PDT	12VDC	5A @ 30VDC; 5A @ 240VAC	160	75	2167470	2167470	9.95	8.95	7.95
175602	ValuePro	LB4H-24DS-R℞	4	4PDT	24VDC	5A @ 30VDC; 5A @ 240VAC	650	37	175557	175557	5.49	4.95	4.49
175611	ValuePro	LB4H-110AS-R℞	4	4PDT[1]	110VAC	5A @ 30VDC; 5A @ 240VAC	3,900	28	175557	175557	5.95	5.49	4.95

* For sockets see below † PCB 1 = Silver-cadmium oxide, no lamp

JAMECO ValuePro | P&B — Blade and Octal Relay Sockets

★Web Code: TEM

141145/175531/282191/282132: 8-pin DPDT
2167470 /175557: 14-pin 4PDT

141145 | **2167470** | **282191** | **282132**

Part No.	Mfr.	Product No.	Relay Series	Type	1	10	50
141145	Beta	PF-083A	BTA1	Combo†	$3.95	$3.69	$2.95
175531	ValuePro	PTF08A-A℞	K10	Combo†	4.39	3.95	3.69
2167470	Omron	PYF14A-E℞	MY	Combo†	4.95	4.49	3.95
282191	P&B	27E895℞	K10	DIN Rail	7.49	6.95	6.25
282132	P&B	27E122℞	KRP/KRPA	Standard	6.49	6.19	5.75
175557	ValuePro	PYF14A-A℞	KHUA	DIN Rail	3.75	3.49	3.19

† Combo: DIN rail or screw terminal

★For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

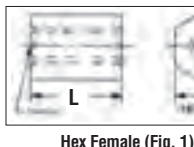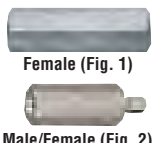**3 LEVELS OF SAVINGS** — NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Electromech

Electromech

Inductive Proximity Switch Sensors
Cylindrical and Square Styles

- Operating voltage range: 10-30VDC
- Nominal operating voltage: 12VDC
- Normally open output
- Current consumption: 10mA max.
- Sensing target: inductive type – magnetic metal
- Sensing distance: ±10% (tin)
- 6' long cable
- LED status indicator
- Switching frequency: 1.5kHz
- Fast response
- Pre-tinned pigtail
- Short-circuit protected

167020   155547   248858

★ Web Code: IPS

Part No.	Mfr. Part No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Dimensions (L x Dia.)	Mounting Hole (ins.)	Pricing 1	5	25
167020	TS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	$21.95	$19.95	$17.95
155547	S18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	12.95	11.95	10.95
248858	TS12-02P-1	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	19.95	17.95	15.95

Digital Hall Effect Magnetic Proximity Sensors
Flange Mount • Applications: door position sensing, flow sensing, pedal switch

- Capable of millions of operations
- Reverse battery protection to -24VDC
- Output saturation voltage max.: 400mV
- Operating voltage range: 4.5-24VDC
- Meets IEC529 IPX5 for water protection
- Output wire: 3-wire sink

★ Web Code: CCC   513252

Part No.	Mfr. Part No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Function	Pricing 1	5	25
513252	MP101401	5.2	20	185 (south)	60 (south)	Unipolar switch	$5.95	$5.49	$4.95
513261	MP102103	12	25	300 (north)	195 (north)	Switch	5.95	5.59	5.25

Hall Effect Magnetic Proximity Sensor

- With Snap-Fit Mount
- Operating voltage range: 4.75-24VDC
- No mechanical contacts to wear out
- South pole sensitive or bi-polar latch
- Output saturation voltage max.: 400mV
- Output: 3-wire sink
- Immune to dust, dirt, & moisture
- Digital output compatible with all logic families
- Operating temp. range: -40°C to 85°C
- Solid state reliability • Reverse polarity protection to -24V

★ Web Code: CCC

Part No.	Mfr. Part No.	Supply Curr. Max. (mA)	Output Curr. Max. (mA)	Op. Point Gauss (max.)	Rel. Point Gauss (min.)	Wire	Pricing 1	5	25
513244	MP101301	4	25	300	60	24AWG x 1m	$5.95	$5.49	$4.95

Magnetic Proximity Sensor Cylindrical Plastic Housing

- Omnipolar, magnetically activated switch
- Hermetically sealed
- Contact resistance: 0.2Ω max.
- Resistant to dirt and moisture
- Operating temp. range: -40°C to 105°C
- Can be approached by any magnet from any angle with either pole
- Zero power consumption
- Breakdown voltage: 200VDC min.

513308   482417

★ Web Code: CCC

NEW MARKED IN PINK   513359

Part No.	Mfr. Part No.	Contact Form	Power (W)	Switching Volt. Max. (VDC)	Switching Curr. Max.(A)	Op. Time Typical (ms)	Pricing 1	10	50
513308	MP201701	SPST NO	10	175	0.5	0.5	$2.95	$2.69	$2.39
482417	AS201901*	SPST NO	10	175	0.5	0.6	3.39	3.19	2.95
513359	MP201901	SPST NO	10	175	0.5	0.6	3.95	3.59	3.29

*Actutator to be used with 513359
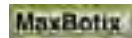
High Performance Sonar Range Finders

★ Web Code: MXB

MaxBotix is a leader in ultrasonic range finder products for standard, industrial, and outdoor applications. These products can detect objects from as close as 6" all the way to 35' depending on the model. MB7xxx family has 3/4" PVC straight threads at the back and are IP67 weather resistant.

Fig. 1   Fig. 2

Part No.	Mfr. Part No.	Fig.	Max. Beam Width†	Detection Range (ft.)	Data Output*	Pricing 1	5
2193707	MB1443	1	2 feet	1-16	USB micro-B	$49.95	$46.95
2157335	MB1040	1	2 feet	1-21.16	PW, AV, SD	24.95	23.49
2193723	MB1043	1	2 feet	1-25.1	PW, AV, SD	34.95	31.95
2157351	MB1240	2	3 feet	1-25.1	PW, AV, SD	34.95	29.95
2157327	MB1010	1	5 feet	1-21.16	PW, AV, SD	24.95	21.95
2193686	MB1403	1	6.5 feet	1-16	USB micro-B	49.95	46.95

*PW = pulse-width; AV = analog volt.; SD = serial digital; RTAVE = real-time analog volt. envelope †Beam characteristics are approximate

Solid State Digital Position Sensors

- High output current capability -50mA absolute max.
- Oper. temp. range: -40°C to 150°C
- 3-pin SIP package • Output type: sink
- Output volt./curr.: 40mV/20mA max.
- Supply current: 10mA max.
- Supply voltage:
  1915915/1915886: 3.8VDC to 30VDC
  1915940: 3VDC to 6.5VDC

1915915

★ Web Code: DPS

Part No.	Mfr. Part No.	Type	1	10	100
1915915	SS466A	Latching ..	$1.19	$.99	$.89
1915940	SS49E	Sourcing	1.75	1.59	1.35
1915886	SS441A	Unipolar	1.09	.99	.89

Hall Effect Sensors

★ Web Code: REB

- Supply voltage range: 4.5V-24V
- Supply current: 9mA max.
- Operating temperature up to 150°C

1871879   1915835

Part No.	Mfr. Part No.	Bop/Brp*@ 25°C	1	10
1871879	OH180U	180/140 gauss	$2.95	$2.75
1915835	SS41	40/-40 gauss	.89	.85
2201906	HAL115UA-C	12/-12 gauss	.99	.89

*Bop = Magnetic Operating Point; Brp = Magnetic Release Point

Gear Tooth Speed Sensor
Commercial Grade Hall Effect

- Operating voltage range: 4.5-24VDC
- Output type: sink
- Output current: 25mA max.
- Supply current: 6mA max.
- Barrel length: 1.0" • Output voltage: 400mV max.
- Thread: 15/32" – 32 • Wire: 20 AWG x 1m
- Reverse battery protection from 24VDC
- Operating temperature range: -40°C to 125°C

Part No.	Mfr. Part No.	1	5	25
512401	GS100701	$29.95	$26.95	$23.95

Humidity Sensors

- Linear volt. output vs %RH
- Voltage & current: 4 to 5.8VDC @ 500µA max.
- Accuracy: ±3.5% RH
- Operating temp.: -40°C to 85°C
- 0.10" lead pitch SIP with calibration & data printout
- **1860230:** 0.05" lead pitch SIP
- **1860248:** 0.10" lead pitch SIP w/ calibration & data printout

1860230   1860248

Part No.	Mfr. Part No.	1	5	25
1860230	HIH-4000-002	$13.39	$12.75	$11.59
1860248	HIH-4000-003	19.95	17.95	15.95

Pressure Sensor

- Differential pressure 0 to 5 psid pressure range
- Max. load pressure: 2X rated pressure
- 1/8" dia. tubing applicable
- Pressure media: non-corrosive gas, non-ionic fluids
- Size: 0.55"L x 0.47"W x 0.28"H

Part No.	Mfr. Part No.	1	5	25
2151161	SCC05DD4	$9.95	$8.95	$7.95

Digital/Analog Distance Sensors

Pololu | **PARALLAX**

These sensors are small in size and can be placed just about anywhere on your project.

2136462: 3-pin header connection (included)

2150256: Connects with 3-pin JST connector (P/N 2143881, not included)

2136462 **2150256** **2143881**

★ *Web Code: PDS*

Part No.	Mfr.	Mfr. P/N	Digital/Analog	Detection Range	Res. Time	1	5
2136462	Pololu	1134𝓡	Digital	0.8" to 4"	2.56 ms	$6.95	$6.29
2150256	Parallax	28995𝓡	Analog	3.9" to 31.5"	38.0 ms	15.95	14.95
2136454	Sharp	1137𝓡	Analog	7.8" to 59"	38.0 ms	15.95	14.95
2143881	Pololu	117𝓡	3-pin female JST cable w/ stripped leads			1.09	.99
2143419	Pololu	1799𝓡	3-pin female JST cable w/ 0.1" crimp terminals			1.95	1.75

Arduino Compatible Sensors

liquidware

These plug and play sensors are ready for immediate installation and use.

★ *Web Code: ACS*

2127662: • Supply voltage: -0.3V to +7.0V
• Can be mounted directly into the analog pins of Arduino

2190741: • 2.0VDC to 3.6VDC
• SPI and I²C interface

NEW MARKED IN PINK

2127662 **2190741**

Part No.	Description	1	5
2127662	Ambient light sensor	$7.95	$7.25
2190741	3-axis accelerometer ADXL345	7.95	7.49

For Arduino Boards and Sensors, see pages 159-161

12-Button Numeric Keypads

JAMECO ValuePro

- Contact resistance: 200Ω max.
- 8-pin & 10-pin .100" header
- 10 pin w/ multicolor wires
- Contact rating: 12VDC @ 20mA
- Life test: 1,000,000 cycles per key
- Size: 3.0"L x 2.2"W x 0.6"H (8-pin) white
- Size: 2.5"L x 2.1"W x 0.4"H (10-pin) black

2082206

Part No.	Description	1	10	100
190562	8-pin header keypad𝓡	$5.95	$5.49	$4.95
2081828	10-pin wire keypad	2.59	2.25	1.95
2082206	10-pin header keypad	2.95	2.59	2.25

Flex Sensor

- Max. resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Nominal Res.	Length	1	10
150551	10kΩ𝓡	4.5	$12.95	$11.49

Bidirectional Flex Sensor

- Nominal resistance: 20kΩ – 50kΩ
- Temperature range: -45°F – 125°F
- Dimensions: 4.5"L x .375"W x .038"T

Part No.	Mfr. Part No.	1	5	25
2124867	FLX-01-M𝓡	$9.95	$8.95	$7.95

Liquid Level Sensor

JAMECO ValuePro

This liquid level sensor is triggered when water level is either high or low. Black and white are ON and maintained until float is at its lowest, black and red wire is OFF and maintained until float is at its highest.

★ *Web Code: LLS*

Part No.	Description	1	5	25
176250	24VDC	$9.95	$8.95	$7.95
176251	Extra hardware kit	1.95	1.75	1.49

Force-Sensing Resistors

Pololu

- Polymer thick film (PTF) optimized for human touch control of electronic devices
- >1MΩ, no force, 100kΩ to >100Ω under pressure
- 0.72" dia. circular pad, 0.5" Dia. sense area
- Can sense applied force from 1 oz. to 22 lbs.
- 1.3" flexible male leads, 0.1" spacing

2128260

Part No.	Mfr. Part No.	Size	1	10
2183841	FSR400𝓡	.3"Dia./1.185"Circle	$7.49	$6.95
2128260	1696𝓡	0.72"Dia./.50"Circle	7.95	7.25
2136471	1645𝓡	1.72"L x 1.5"W	8.95	8.49

16-Button Indoor/Outdoor Keypads

- 9-pin .100" headers
- Compatible with MOS, TTL and DTL (10Ω max.)
- Contact rating: 24VDC @ 10mA resistive
- Fully sealed snap-dome contact
- Life test: 3,000,000 cycles per key
- Size (housing): 4.7"W x 1.7"H x 0.4"T
- Recommended connector: P/N 103191 header and P/N 100766 pin, pg 60

196171 **152063**

NEW MARKED IN PINK

2161473: 8-pin access, adhesive backing

2161473

Part No.	Description	1	10	100
196171	2x8 matrix keypad𝓡	$14.95	$13.49	$12.49
2161473	4x4 membrane keypad	9.95	8.95	7.95
152063	4x4 matrix keypad𝓡	16.95	15.49	13.95

Dynamic Earphone

KOBITONE

- Impedance: 15Ω min.
- 3.5mm plug
- Cord length: 6'
- 150mW max.

NEW MARKED IN PINK

★ *Web Code: EHS*

Part No.	Mfr. Part No.	1	10
2208331	25DE138-ROX𝓡	$2.49	$2.29

Ultrasonic Sensor Sets

JAMECO ValuePro

Motion or Distance Sensing, Transmitter/Receiver Set

- Frequency: 40kHz ±1.0kHz
- Aluminum case

★ *Web Code: CAU*

139492: • Capacitance: 2000pF ±20%
• Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 ±1.0kHz
• Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ±1.0kHz (R=3.9kΩ)

2120268: • Capacitance: 1250pF ±20% • Bandwidth: 4.0kHz @ -73dB
• Transmitter sensitivity: 41kHz @ 67dB • Receiver sensitivity: 40kHz @ 67dB (R=3.9kΩ)

136654: • Capacitance: 2000pF ±30%
• Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40±1.0kHz
• Receiver: bandwidth 3.5kHz @ -71dB, min. sensitivity 65dB @ 40±1.0kHz (R=3.9kΩ)

139492 **2120268** **136654**

Part No.	Product No.	Case Size	Lead Length/Spacing	1	10	100
139492	40TR12B𝓡	0.30z"H x 0.43"Dia.	0.28"	$7.95	$7.19	$6.49
2120268	EFR40K2	0.47"H x 0.62"Dia.	0.35"	6.95	5.95	4.95
136654	40TR16F𝓡	0.47"H x 0.62"Dia.	0.39"	8.49	7.59	6.89

16-Button Numeric Keypads

JAMECO ValuePro

- Contact resistance: 200Ω max.
- 8-pin solder pad
- Contact rating: 24VDC @ 20mA
- Life test: 1,000,000 life cycles per key
- 8-pin male header, use for P/N 153702 (straight) or P/N 153728 (right angle)

2131055 **169245**

Part No.	Size (L" xW" xH")	1	10	100
2131055	2.5 x 2.6 x 0.4	$5.95	$5.49	$4.95
169245	3.0 x 2.8 x 0.6𝓡	9.95	8.95	7.95

★ *Keypads Online — Enter Web Code XBA*

Omni-Directional Electret Condenser Microphone Cartridges

JAMECO ValuePro

Applications: Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors

- Max current: 0.5mA
- Impedance: >2.2kΩ
- Terminals: PC pin leads

★ *Web Code: QBW*

1950948 **136574/ 320179**

Part No.	Cross Ref. No.	Sensitivity	Frequency (Hz)	Max. Op. Volt.	Stand Op. Volt.	Sensitivity Reduction	S/N Ratio	Size (H x Dia.)	Pricing 1	10	100
1950948	AMF-097A40-NB1-LF𝓡	-60 ±3dB	50-16,000	10VDC	3.0VDC	-3dB @ 3V	>58dB	.27" x .39"	$.99	$.89	$.79
2188633	AOM-6545P-R𝓡	-45±2dB	20-20,000	10VDC	4.5VDC	-3dB @ 3V	>60dB	.26" x .37"	1.25	1.09	.95
2126141	EC928P-602𝓡	-40±2dB	20-12,000	10VDC	4.5VDC	-3dB @ 1.5V	>758dB	.26" x .38"	.95	.85	.75
136574	WM-60PC𝓡	-54 ±2dB	20-12,000	12VDC	4.5VDC	-3dB @ 3V	>40dB	.30" x .38"	1.09	.99	.89
320179	EM-99𝓡	-64 ±2dB	20-12,000	12VDC	4.5VDC	-3dB @ 3V	>40dB	.27" x .39"	.95	.85	.75

For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Electromech

Buzzers, Transducers & Sirens

Piezo Buzzers (Annunciators)

JAMECO ValuePro | Weltronic

★ *Web Code: JPB*

Part No.	Manufacturer	Product No.	Fig.	Tone	Oper. Volt. (V/mA)	Volt. Range	Sound (dB)	Freq. (Hz)	Dimensions (H x Dia.)	Pricing 1	10	100
335557	ValuePro	MSR320ℛ	2	Single	3–20/3–16	3 – 20	90	3400	.39" x .91"	$2.49	$2.25	$1.95
1956696	Velleman	SV4/5-Sℛ	3	Single	5/25	3 – 6	87	3200	.30" x .47"	2.49	2.25	1.99
336989	ValuePro	SC616N	4	Single	6–16/6–22	6 – 16	95	2900	1.28" x 1.69"	2.25	1.95	1.75
1956741	Velleman	SVM06ℛ	5	Single	6/20	3 – 7	75	300-500	.91"L x .63"W x .59"H	2.25	1.95	1.75
2173861	ValuePro	20S1060LF-LAℛ	5	Single	6/25	4 – 8	75	400	.91"L x .67"W x .61"H	1.75	1.59	1.39
196357	ValuePro	AL-175	6	Single	12/5.8	3 – 16	86	4000	.30" x .54"	1.95	1.75	1.49
138713	ValuePro	32S4120-PNℛ	6	Single	12/7	3 – 16	80	4000	.30" x .54"	2.25	1.95	1.75
2120452	ValuePro	DB-E238ℛ	1	Single	12/8	3 – 20	85	2900	16mm x 23.8mm	1.75	1.49	1.25
1956750	Velleman	SVM12ℛ	5	Single	12/15	7 – 17	75	300-500	.91"L x .63"W x .59"H	1.95	1.75	1.49
2129721	MG Elec	SBT-16065ℛ	1	Single	12/20	4 – 7	85	2200	13.9mm x 15.4mm	1.49	1.25	1.09
2173870	ValuePro	20S1120LF-LAℛ	5	Single	12/25	9 – 15	75	400	1.32"L X .67"W x .61"D	1.49	1.35	1.19
2197513	ValuePro	DB-E38ℛ	11	Single	12/35	1 – 13	105	2900	26mm x 45mm	3.49	3.25	2.95
32602	ValuePro	11S3240-Rℛ	9	Single	24/15	1 – 27	95	2900	1.4" x 1.7"	3.49	3.25	2.95
76021	ValuePro	7S3240-LAℛ	9	Single	24/20	1.5 – 28	95	3200	1.0" x 1.1"	3.95	3.49	2.95
249498	ValuePro	1103120-LF-TAℛ	9	Dual#	12/25	4 – 16	95	2900	34.5mm x 43.5mm	2.95	2.65	2.39
123538	ValuePro	11D3240ℛ	9	Dual#	24/20	4 – 28	80	2900	1.4" x 1.7"	3.49	3.25	2.95
2117430	ValuePro	7P3120LF-LAℛ	10	Pulse	12/10	3 – 15	90	3200	.98" x 1.10"	2.95	2.59	2.25
2172906	Mallory	SCM616N-1	9	Continous*	6/16/6-22	6-16	90	2900	1.06"x .1.70"	5.95	4.95	3.95
2099690	Kobitone	256-PB313	8	Continuous†	12/7	3 – 28	82	3600	.413" x 1.18"	.59	.49	.39
673900	ValuePro	SEP-1172	7	—†	12/7	3 – 28	81	3300	16mm x 31.4mm	.49	.45	.39

*PCB terminals †Requires driver circuit #Continuous or fast pulse

Fig. 1   Fig. 2   Fig. 3
Fig. 4   Fig. 5   Fig. 6
Fig. 7   Fig. 8   Fig. 9
Fig. 10   Fig. 11

Piezo Transducers (Speakers)

Weltronic | **KOBITONE**

★ *Web Code: JPT*

Part No.	Manufacturer	Product No.	Fig.	Rated Voltage	Max. Current	Res Frequency	Sound (dB)	Dimensions (H x Dia.)	Pricing 1	10	100
1956784	Velleman	TV4ℛ	1	1.5Vp-p	1.5mA	4kHz	75	0.2mm x 50mm	$3.25	$2.95	$2.75
1956776	Velleman	TV1ℛ	2	1.5Vp-p	1.5mA	4kHz	85	6mm x 30mm	2.25	1.95	1.75
1874543	Murata	PKM13EPYH4002-B0ℛ	4	3Vp-p	1.5mA	4kHz	70	6.9mm x 12.6mm	.79	.69	.59
2098540	Kobitone	PB102-ROXℛ	3	3Vp-p	3mA	2kHz	70	3.2mm x 10mm	1.29	1.19	1.09
2098523	Kobitone	PB140-ROXℛ	4	5Vp-p	5mA	4kHz	80	6.8mm x 13.8mm	1.25	1.09	.99
2099702	Kobitone	256-PB315	6	10Vp-p	7mA	4kHz	82	7.6mm x 17mm	.59	.55	.49
2098566	Kobitone	AZ-3025E-W-LFℛ	2	10Vp-p	9mA	2.5kHz	86	9.5mm x 30mm	1.29	1.15	.99
336276	ValuePro	PT-1250W	3	12Vp-p	2mA	4kHz	75	4.3mm x 13.5mm	1.09	.99	.89
336314	ValuePro	KWT2340F12L-2ERℛ	2	12Vp-p	3mA	4kHz	80	4.5mm x 24mm	1.59	1.49	1.35
2077280	Panasonic	24C411	4	15Vp-p	2mA	4kHz	85	6mm x 24mm	.65	.59	.55
2151216	ValuePro	EAT-17	5	20Vp-p	1mA	3.8kHz	80	6.9mm x 14mm	1.25	1.09	.95
2173896	ValuePro	55PZ30250LF-LAℛ	2	30Vp-p	1.5mA	2.5kHz	80	5.5mm x 30mm	1.09	.95	.85
2173888	ValuePro	55PZ30400ULF-LAℛ	2	30Vp-p	1.5mA	4kHz	85	5.5mm x 30mm	1.75	1.59	1.39

Fig. 1   Fig. 2
Fig. 3   Fig. 4
Fig. 5   Fig. 6

Magnetic Transducers (Buzzers)

JAMECO ValuePro | **KOBITONE**

• Applied voltage: 1/2 duty, square wave

★ *Web Code: JMT*

Part No.	Manufacturer	Product No.	Fig.	Oper. Volt. (V/mA)	Volt. Range	Frequency (Hz)	Impedance (Ω)	Sound (dB)	Dimensions (H x Dia.)	Pricing 1	10	100
2159701	ValuePro	CB-12HN	1	2.4/100	1.1 – 3	2700	10	85	.20" x .47"	$.59	$.49	$.39
138740	ValuePro	DBX05-PNℛ	2	5/40	3 – 8	2400	80	85	.35" x .46"	1.49	1.25	1.09
673871	ValuePro	PRT-1205	2	5/40	3 – 8	2400	47	90	.35" x .46"	.95	.85	.75
2129748	Kobitone	256-MB2161	2	12/40	6 – 18	2048	115	85	.55" x .63"	.59	.55	.49
673774	ValuePro	SBT-1612	3	12/40	6 – 18	2048	200	85	.53" x .62"	.65	.55	.45

Fig. 1
Fig. 2   Fig. 3

Mechanical/Electromechanical Buzzers

JAMECO ValuePro

★ *Web Code: MEB*

Part No.	Manufacturer	Cross Ref. No.	Fig.	Oper. Volt. (V/mA)	Voltage Range	Frequency (Hz)	Sound (dB)	Dimensions	Pricing 1	10	100
76065	ValuePro	TDB05-PNℛ	1	5/30	4 – 7	2300	85	.35"H x .46"Dia.	$3.25	$2.95	$2.75
24872	ValuePro	63S109LAℛ	2	9/30	6 – 12	400	85	1.3"L x 0.7"W x 0.6"H	1.59	1.49	1.35
140695	ValuePro	63S1120-LA	2	12/25	9 – 15	400	75	1.3"L x 0.7"W x 0.6"H	2.25	1.95	1.75

Fig. 1   Fig. 2

Piezo Sirens - High Decibel Output

JAMECO ValuePro

★ *Web Code: PSS*

Part No.	Manufacturer	Product No.	Fig.	Oper. Volt. (V/mA)	Voltage Range	Frequency (Hz)	Sound (dB)	Dimensions	Pricing 1	10	100
207993	ValuePro	SL15R3120LAℛ		12/250	6 – 16	3500	105	2.3"L X 1.8"W X 1.6"H	$3.95	$3.59	$3.25
2131223	Velleman	SV/PS1ℛ		12/200	6 – 15	3500	107	2.2"L X 1.7"W X 1.7"H	4.95	4.75	4.49
2123733	Velleman	SV/PS5ℛ		12/1300	6 – 12	4000	125	4.3"Dia. x 3.9"L	8.95	8.49	7.95

207993/2131223   2123733

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.
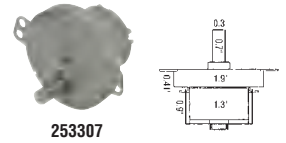
Square Flat Element Speakers

JAMECO ValuePro

• Excellent for alarms or other voice uses   • Stainless steel diaphragm

Part No.	Cross Ref.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
673766	AZ50S	1.9 x 0.2	0.4	0.8	8	70	500 – 6000	1.9 x 0.1	$1.09	$.95	$.85
34025	GSP02-R*ℛ*	1.2 x 0.2	0.4	0.8	8	70	1300 – 8000	1.2 x 0.1	2.75	2.49	2.25
76030	AZ40S	1.6 x 0.2	0.4	0.8	8	70	600 – 6000	1.6 x 0.1	1.75	1.59	1.39

34025 Side   **34025 Back**

Alnico Round, Square and Rectangular Speakers

JAMECO ValuePro

• For computer case use
• Paper diaphragm • Large magnet
• Wide frequency response
• Pre-tinned solder lugs

Part No.	Product No.	Fig.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
111588	B0102*ℛ*	1	1.7 x 0.6	0.1	0.3	8	83	500 – 5500	0.5 x 0.4	$2.75	$2.49	$2.25
2192552	5150RA-45-BXC	2	1.57 x 0.62	0.1	0.3	8	84	600 – 5600	0.7 x 0.4	1.95	1.59	1.35
88411	A0200*ℛ*	2	2.0 x 0.8	0.2	0.4	8	87	430 – 4500	0.5 x 0.4	2.49	2.29	1.95
2146388	TR057A-R*ℛ*	2	2.25 x 0.77	0.25	0.5	8	84	300 – 14000	0.5 x 0.4	2.75	2.49	2.25
1954834	NMB-0030*	2	1.8 x 0.5	0.5	1.0	8	87	550 – 6000	0.9 x 0.2	1.75	1.49	1.25
1950972	I-826-219#	4	8.2LX2.2Wx2.0H	1.0	13.0	8	85	30 – 20000	1.5 x 2.8	3.49	3.25	2.95
307820	UF1082	5	1.73 x 0.275	0.5	1.0	8	80	200 – 6000	0.8 x 0.1	1.25	1.09	.95
135812	A1527C02*ℛ*	3	1.6Lx2.8Wx1.2H	2.0	5.0	8	82	450 – 20000	0.5 x 0.5	4.25	3.85	3.49
2115442	K7048202	3	1.6Lx2.8Wx0.9H	3.0	3.0	8	82	310 – 12000	0.87 x 0.29	1.95	1.59	1.35
2081220	TP-252†	2	2.6 x 0.875	0.5	1.0	16	89	400 – 4000	0.9 x 0.5	1.25	1.19	.99
1954826	R11-49†	1	2.9 x 1.2	0.5	1.0	16	89	300 – 7500	0.9 x 0.4	1.25	1.09	.95
1954842	609-0033†	3	3.6Lx2.0Wx1.5H	1.0	3.0	16	89	200 – 3000	0.9 x 0.7	1.25	1.09	.95

*Pair of lead wires (2) 11"/10"   #Sony LCD plasma replacement speaker (actual size: 6"H x 2.15"W x 1.94"D)   †With lead wires

Fig. 1   **Fig. 2**   **Fig. 3**   **Fig. 4**   **Fig. 5**

Micro Round and Rectangular Speakers

JAMECO ValuePro

Part No.	Product No.	Dimensions (Dia." x D")	Input Nom. (W)	Input Max. (W)	Impedance (Ω)	Magnet Size (Dia." x H")	Output SPL (dB)	Frequency Range (Hz)	Pricing 1	Pricing 10	Pricing 100
2099606	SP801W	1.05 x 0.35	0.1	0.2	8	0.67 x 0.17	78	320 – 7500	$1.49	$1.25	$1.09
2158215	MR-01W	2.25 x 0.43	0.1	0.2	8	0.75 x 0.18	84	460 – 7000	1.09	.95	.85
2095242	35CS088-M75NA	1.4Lx1.3Wx0.2H	0.2	0.3	8	0.44 x 0.10	80	550 – 6700	1.09	.95	.85
138861	GC0201	0.80 x 0.169	0.1	0.2	32	0.26 x 0.06	78	800 – 7000	1.09	.85	.65
2099593	SP452W	2.25 x 0.5	0.1	0.2	45	0.68 x 0.17	86	150 – 9000	.99	.85	.69
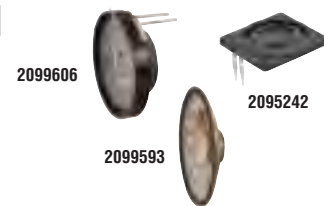
2099606   **2095242**   **2099593**

Round Ferrite Speakers

JAMECO ValuePro

• Pre-tinned speaker lugs
• Anodized metal surfaces
• Braided copper voice coil leads
• Paper diaphragm • Large magnet

Part No.	Manufacturer	Product No.	Dimensions (Dia." x D")	Input Nom. (W)	Input Max. (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
2205561	Panasonic	45P30S	1.8 x 0.7	0.1	0.1	8	93	530 – 3000	1.3 x 0.4	$1.75	$1.59	$1.25
135589	ValuePro	FE200	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	1.95	1.75	1.49
10840	ValuePro	FE201	2.2 x 0.7	0.2	0.4	8	88	400 – 4500	1.3 x 0.4	2.49	2.25	1.95
320362	ValuePro	TR-057F-R	2.0 x 0.7	0.25	0.5	8	86	900 – 9000	1.3 x 0.25	1.95	1.75	1.49
2190653	ValuePro	GF0502BX*ℛ*	2.0 x 1.0	2.0	5.0	8	88	100 – 17000	1.5 x 0.5	3.95	3.49	2.95
2158223	Regal	RF-10W	4.1 x 2.3	10	20	8	90	1000 – 15000	2.8 x 0.8	5.95	5.39	4.75
2205202	ValuePro	HKS-16-5	3.0 x 0.7	0.5	2.0	16	92	200 – 3000	0.8 x 0.5	2.95	2.59	2.25
2205211	Regal	1-009-841-C	3.0 x 0.7	3.0	5.0	16	82	500 – 10000	0.8 x 0.5	3.95	3.49	2.95
2188916	Sharp	80P-G3YB	3.0 x 0.7	0.5	2.0	32	92	200 – 3000	0.8 x 0.5	2.49	2.25	2.09
2099585	ValuePro	RF-608E	2.2 x 0.7	0.1	0.2	48	86	300 – 3000	1.3 x 0.4	.95	.85	.75
2081844	ValuePro	20-220-NSR†	2.0 x 0.7	0.1	0.2	50	86	300 – 3000	1.3 x 0.4	1.09	.95	.85

NEW MARKED IN PINK

135589   **2205202**   **2205211**

† With lead wires

Square Ferrite Speakers

JAMECO ValuePro

• Pre-tinned speaker lugs   • Anodized metal surfaces   • Braided copper voice coil leads   • Paper diaphragm   • Large magnet

Part No.	Manufacturer	Cross Ref.	Dimensions (Dia." x D")	Input Nom. (W)	Input Max. (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
99996	ValuePro	FEB204*ℛ*	2.6 x 0.9	3.0	4.0	4	95	300 – 14000	1.8 x 0.5	$2.95	$2.75	$2.49
135694	ValuePro	FEB200*ℛ*	2.0 x 0.7	0.2	0.3	8	82	500 – 6000	1.3 x 0.5	2.25	2.09	1.89
2179673	ValuePro	27JRG*ℛ*	4.0 x 1.4	3.0	3.0	8	85	800 – 10000	1.8 x 0.5	2.95	2.65	2.39
2179657	ValuePro	1422	2.6 x 0.7	0.4	0.8	8	85	500 – 80000	1.2 x 0.5	2.95	2.65	2.39
2167285	ValuePro	1-529-483-11	3.0 x 2.25	4.0	5.0	8	85.7	180 – 10000	2.5 x 1.0	3.25	2.95	2.65
2188609	Misco	100SF08-2*ℛ*	4.0 x 1.5	6.0	12.0	8	87	145 – 17000	2.2 x 0.5	4.95	4.49	3.95
1954818	ValuePro	TQ-100F-R	4.0 x 1.4	5.0	5.0	8	97	800 – 10000	1.8 x 0.5	3.95	3.59	2.95
31959	ValuePro	FEB216*ℛ*	2.6 x 0.8	0.2	0.4	16	85	330 – 8000	1.3 x 0.5	2.69	2.39	2.15
2205464	Regal	16-3-3	3.0 x 1.0	1.0	1.0	16	85	500 – 10000	0.86 x 0.40	2.95	2.59	2.25
2179681	ValuePro	27JRG-1624*ℛ*	4.0 x 1.4	2.0	2.0	16	85	800 – 11000	1.8 x 0.5	2.95	2.65	2.39

99996 Side   **99996 Back**   **2188609**   **2179681**

30mm PCB Mountable Speakers

• Ideal for PC board mounting   • Mylar diaphragm
• Power (nominal/max.): 0.15W/0.2W   • Solder leads

135722

Part No.	Size (H x Dia.)	Impedance	Pin Spacing	Freq. Range	SPL (dB)	1	10	100
2095234	0.57" x 1.24	8Ω	0.69"	700-4kHz	82	$1.25	$1.09	$.99
135722	0.50" x 1.17"	8Ω	0.59"	700-5kHz	82	1.49	1.25	.99
2099817	0.47" x 1.16"	100Ω	0.58"	1.1kHz ±20%	95	.75	.65	.55

PANAVISE VISE BUDDY JR.

• Head movement through 3-planes: 90° tilt, 360° turn and 360° rotation
• Single adjusting knob controls jaw pressure for delicate work
• Size: Jaws are 1.87" (38.1mm) tall, 1.5" (38.1mm) wide and open to 9" (228.6mm)

Part No.	Mfr. Part No.	1	5
684852	Steel and zinc	$99.95	$89.95

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

Electromech

(RAF) .187"/.250" Aluminum, Brass & Steel Hex Threaded Standoffs

- **Finish:**
- [1] Aluminum iridite (clear)
- [2] Brass bright tin plate
- [3] Stainless steel
- [4] Zinc clear chromate
- [5] Chrome
- ✳ Order in multiples of 10

Female (Fig. 1)

Male/Female (Fig. 2)

Hex Female (Fig. 1)

★ **Web Code: TBQ**
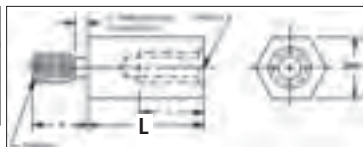
Hex Male/Female (Fig. 2)

Hex Male/Female Standoffs

.187" Hex 4-40 (Fig. 2) (A: .250"; B: .187")

Part No.	⊛Mfr.	Mfr. Part No.	Length of L	Pricing 1	10	100
393458	RAF	4501-440AL7ℛ[1]	.250"	$.45	$.39	$.35
393466	RAF	4503-440AL7ℛ[1]	.375"	.45	.39	.35
393474	RAF	4505-440AL7ℛ[1]	.500"	.49	.45	.39
2125202	RAF	4508-440BR7[2]	.709"	✳	.15	.12
393491	RAF	4509-440AL7ℛ[1]	.750"	.49	.45	.39
393503	RAF	4513-440AL7ℛ[1]	1.00"	.49	.45	.35

.187" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250")

Part No.	⊛Mfr.	Mfr. Part No.	Length of L	Pricing 1	10	100
393546	RAF	4503-632AL7ℛ[1]	.375"	$.35	$.29	$.25
393554	RAF	4505-632AL7ℛ[1]	.500"	✳	.19	.15
393588	RAF	4513-632AL7[1]	1.00"	.39	.35	.29

.250" Hex 4-40 Thread (Fig. 2) (A: .250"; B: .187")

Part No.	⊛Mfr.	Mfr. Part No.	Length of L	Pricing 1	10	100
77586	RAF	4530-440AL7ℛ[1]	.250"	$.35	$.29	$.25
77594	RAF	4532-440AL7ℛ[1]	.375"	.45	.35	.19
111756	RAF	4534-440AL7ℛ[1]	.500"	.45	.39	.29
139214	RAF	4536-440AL7ℛ[1]	.625"	.45	.39	.29
139222	RAF	4538-440AL7ℛ[1]	.750"	.49	.45	.35
139231	RAF	4542-440AL7ℛ[1]	1.00"	.55	.49	.45
128566	RAF	4546-440AL7ℛ[1]	1.25"	.65	.59	.49
166546	RAF	4550-440AL7ℛ[1]	1.50"	.75	.69	.59

.250" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250")

Part No.	⊛Mfr.	Product No.	Length of L	Pricing 1	10	100
133542	RAF	4530-632AL7ℛ[1]	.250"	$.45	$.39	$.25
133568	RAF	4532-632AL7ℛ[1]	.375"	.45	.39	.25
77607	RAF	4534-632AL7ℛ[1]	.500"	.45	.39	.25
77623	RAF	4538-632AL7ℛ[1]	.750"	.55	.49	.44
77650	RAF	4542-632AL7ℛ[1]	1.00"	.65	.59	.49
393959	RAF	4542-632B12[4]	1.00"	.55	.49	.45

Instrumentation Handle

- Nickel-plated ASTM-B16 brass
- 8-32 thread size • Round
- Size: 4.50"L x 1.75"H x 0.25"Dia.

Part No.	Cross Ref.	Thread Depth	1	10	100
2180164	487ℛ	0.562"	$2.95	$2.59	$2.39

(Jameco ValuePro) Round Magnet

Perfect for science, fridge or projects

109031: Ceramic with center hole 0.375" Dia.
2111425: Nickel-plated with matte finish
2181327: Neodymium rare earth (6-pack)

109031

Part No.	Size	1	10	100
109031	1.23"Dia. x .190"Thick ...	$.49	$.39	$.25
2111425	.375"Dia. x .125"Thickℛ	1.75	1.59	1.45
2181327	.480"Dia. x .125"Thick ...	7.95	7.25	6.59

Hex Female Standoffs

.187" Hex 4-40 Thread (Fig. 1)

Part No.	⊛Mfr.	Product No.	Length of L	Pricing 1	10	100
175636	JVP	2052-440S0[5]	.187"	$.29	$.25	$.19
133613	RAF	2053-440AL7ℛ[1]	.250"	.29	.25	.19
102796	JVP	14-552ℛ[2]	.250"	.39	.35	.29
133640	RAF	2057-440AL7ℛ[1]	.500"	.39	.35	.25
139792	RAF	2058-440AL7ℛ[1]	.563"	.39	.35	.29
133648	RAF	2059-440AL7ℛ[1]	.625"	.29	.25	.19
133656	RAF	2061-440AL7ℛ[1]	.750"	.35	.29	.25
139185	RAF	2065-440AL7ℛ[1]	1.00"	.39	.35	.29

.250" Hex 4-40 Thread (Fig. 1)

Part No.	⊛Mfr.	Mfr. Part No.	Length of L	Pricing 1	10	100
139193	RAF	2100-440A7ℛ[1]	.250"	$.29	$.25	$.19
77501	RAF	2102-440AL7ℛ[1]	.375"	.29	.25	.19
134763	RAF	2103-440AL7ℛ[1]	.437"	.45	.39	.35
108371	RAF	2104-440AL7ℛ[1]	.500"	.45	.39	.25
393713	RAF	2104-440B1[4]	.500"	.39	.35	.25
77519	RAF	2106-440AL7ℛ[1]	.625"	.29	.25	.19
133605	RAF	2108-440AL7ℛ[1]	.750"	.45	.39	.25
139205	RAF	2112-440A7ℛ[1]	1.00"	.39	.35	.29

.250" Hex 6-32 Thread (Fig. 1)

Part No.	⊛Mfr.	Mfr. Part No.	Length of L	Pricing 1	10	100
77535	RAF	2100-632AL7ℛ[1]	.250"	$.29	$.25	$.19
133591	RAF	2102-632A7[1]	.375"	.29	.25	.19
77543	RAF	2104-632AL7ℛ[1]	.500"	.35	.29	.25
77552	RAF	2106-632AL7ℛ[1]	.625"	.45	.39	.25
77570	RAF	2108-632AL7ℛ[1]	.750"	.45	.39	.25
77578	RAF	2112-632AL7ℛ[1]	1.00"	.49	.45	.29
143407	RAF	2120-632A7[1]	1.50"	.59	.55	.49
143441	RAF	2124-632AL7ℛ[1]	1.75"	.79	.69	.59

★ **RAF Electronic Hardware — Web Code RHS**

(Jameco ValuePro) SAE Hardware

- Zinc-plated steel
- ★ **Web Code: JNN**

Phillips Round Head Machine Screw

Part No.	Screw Size	Thread	Length (in.)	10 piece multiples 10	100	1000
2095111	6-32	Std	.197	$.059	$.025	$.018

Slotted Pan Head Machine Screws

Part No.	Screw Size	Thread	Length (in.)	10 piece multiples 10	100	1000
38173	2-56ℛ	Std	.250	$.129	$.075	$.065
2094320	2-56ℛ	Std	.375	.099	.045	.038
2094338	2-56ℛ	Std	.500	.099	.045	.038
2095111	4-40ℛ	Std	.187	.059	.025	.018

(Jameco ValuePro) SAE Hardware (Cont.)

- Zinc-plated steel
- ★ **Web Code: JNN**

Slotted Pan Head Machine Screws (Cont.)

Part No.	Screw Size	Thread	Length (in.)	10 piece multiples 10	100	1000
40952	4-40ℛ	Std	.250	$.059	$.025	$.018
40970	4-40ℛ	Std	.375	.059	.025	.018
106810	4-40ℛ	Std	.500	.059	.025	.018
106543	6-32ℛ	Std	.250	.059	.015	.012
42446	6-32	Std	.375	.059	.015	.012
42438	6-32	Std	.500	.069	.025	.012
106817	8-32ℛ	Std	.375	.069	.025	.018
106797	8-32ℛ	Std	.500	.079	.025	.018

Phillips Pan Head Machine Screws

Part No.	Screw Size	Thread	Length (in.)	10 piece multiples 10	100	1000
2094354	2-56	Std	.250	$.129	$.06	$.05
2094371	2-56ℛ	Std	.500	.099	.05	.04
2185871	4-40ℛ	Std	.187	.055	.025	.02
2094389	4-40ℛ	Std	.250	.059	.03	.02
2185889	4-40ℛ	Std	.312	.059	.025	.02
2094397	4-40ℛ	Std	.375	.059	.025	.02
2094400	4-40ℛ	Std	.500	.059	.025	.02
2170231	4-40ℛ	Std	1.00	.059	.025	.02
2185897	6-32ℛ	Std	.187	.049	.019	.015
2094418	6-32	Std	.250	.059	.022	.017
2094426	6-32	Std	.375	.059	.022	.017
2094434	6-32	Std	.500	.059	.022	.017
2185900	6-32ℛ	Std	.625	.059	.022	.017
2185918	6-32ℛ	Std	.750	.059	.022	.017
2094442	8-32ℛ	Std	.250	.059	.022	.017
2094451	8-32ℛ	Std	.375	.059	.022	.017

Hex Nuts

Part No.	Screw Size	Thread	Diameter (in.)	10 piece multiples 10	100	1000
38165	2-56ℛ	Std	.183	$.059	$.045	$.035
2197450	2-56ℛ*	Std	.183	.065	.055	.04
40943	4-40	Std	.243	.059	.04	.03
42420	6-32	Std	.306	.059	.05	.045
51553	8-32	Std	.344	.059	.055	.049
740914	1/2-28	Std	.500	.25	.19	.15

Flat Washers

Part No.	Screw Size		Diameter (in.)	10 piece multiples 10	100	1000
2094725	2		.188	$.069	$.055	$.049
211131	4		.237	.069	.033	.026
106826	4ℛ		.281	.059	.035	.03
106833	6		.373	.059	.035	.03
106842	8ℛ		.375	.069	.039	.035

Split Lock Washers

Part No.	Screw Size	Diameter (in.)	10 piece multiples 10	100	1000
106789	2	.172	$.069	$.025	$.019
40977	4ℛ	.242	.059	.022	.017
42463	6ℛ	.240	.059	.022	.017
51609	8	.279	.069	.025	.019

Internal Tooth Lock Washers

Part No.	Screw Size	Length (in.)	10 piece multiples 10	100	1000
2094733	2	.200	$.069	$.035	$.028
106850	4	.258	.059	.025	.019
106868	6	.277	.059	.022	.018
106877	8ℛ	.323	.069	.035	.03
527646	1/2ℛ	.509	.17	.14	.11

⊛ **RAF = RAF Electronic Hardware** | **JVP = Jameco ValuePro**

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Electromech

SAE and Metric Panel Mounting Hardware
Hardware sold separately   ★ Web Code: JNN   2186030

SAE/Metric Thread	Hex or Knurl Nut Part No.	Flat Washer Part No.	Int. Tooth Washer Part No.	Flat Keyway Washer Part No.
10-32 UNS	2183314*		2182531*	
10-48 UNS	578110*		2182531*	2182590*#
1/4-32 UNS	2183331*	2183381 ℛ	578339*	
1/4-40 UNS	578321*	2183381 ℛ	578339*	578347*
1/4-40 UNS	578321*	2183381 ℛ	578339*	2182493*#
5/16-32 NEF	2182784*	2182792*	2201527	
3/8-32 NEF	2182514*	2183293	2185791 (small)*	
3/8-32 NEF	2182514*	2183293	2159980 (large)*	
—				
15/32-32 NS	578371*		2182557*	578380*
1/2-28 NEF	740914*		527646*	
M6 x 0.50	2183226*	2183234*		
M7 x 0.75	2182629*	2182637*	2183411 †	
M8 x 0.75	2182573*	2182565*		
M9 x 0.75	2182696*	2182717*		
M10 x 0.75	2159947*	2183251*		
M12 x 0.75	2182725*	2183306	2182741*	2182750*
M13 x 0.75	2185686			

Pricing (10 pcs. min.)	10	100	500	10	100	500	10	100	500	10	100	500
	$.19	$.17	$.15	$.19	$.17	$.15	$.17	$.14	$.11	$.23	$.19	$.17

D style (ID) keyway   † Lock washer (option)

Prepackaged Panel Mounting Hardware Kits
Hardware sold in kits   ★ Web Code: PAM   2182549

Part No.	Mfr. Part No.	Description	1	10	100
2183322	10-32HDWR	(2) nuts (1) washer	$.69	$.59	$.49
2182549	10-48HDWR	(2) nuts (2) washers	.79	.69	.59
2183349	1/4-32HDWR	(2) nuts (1) washer	.69	.59	.49
2182477	1/4-40HDWR	(2) nuts (2) washers	.79	.69	.59
2182805	1/4-40HDWR (D)	(2) nuts (2) washers	.79	.69	.59
281852	5/16-32HDWR	(2) nuts (1) washer	.69	.59	.49
2186030	3/8-32HDWR	(2) nuts (1) washer (small)	.79	.69	.59
2182611	3/8-32HDWR	(2) nuts (1) washer (large)	.79	.69	.59
2186208	7/16-32HDWR	(2) nuts (1) washer	1.59	1.39	1.25
2182506	15/32-32HDWR	(2) nuts (2) washers	.89	.79	.69
2186021	1/2-28HDWR	(2) nuts (1) washer	.89	.79	.69
2183218	M6HDWR	(2) nuts (1) washer	.69	.59	.49
2182688	M7HDWR	(2) nuts (1) washer	.69	.59	.49
2182602	M8HDWR	(2) nuts (1) washer	.69	.59	.49
2182709	M9HDWR	(2) nuts (1) washer	.79	.69	.59
2183242	M10HDWR	(2) nuts (1) washer	.79	.69	.59
2182733	M12HDWR	(2) nuts (2) washers	.79	.69	.59
—					

The parts indicated with "*" on the left are included in the kits on the right.
M14 x P1.0 (P/N 2182961) hex nuts available online, visit www.Jameco.com

351-Piece SAE Panel Mounting Hardware Kit
Includes: 350 pcs. 8 thread types (see below) and a cabinet (20 drawers with 20 dividers & custom drawer labels)
*20 each;   †10 each

SAE Thread	Hex Nut*	Flat Washer*	Int. Tooth Washer*	Keyway Washr†
10-32 UNS	2183314			
10-48 UNS	578110		2182531	2182590
1/4-32 UNS	2183331	2183381	578339	
1/4-40 UNS	578321			578347
5/16-32 NEF	2182784	2182792		
3/8-32 NEF	2182514	2183293	2185791	
15/32-32 NS	578371		2182557	578380
1/2-28 NEF	740914		527646	

Part No.	Description	1	10
2186056	351 pcs. SAE Hardware kit	$69.95	$62.95
2186064	Refill for 2186056 (350 pcs.)	54.95	49.95

(RAF) Thumbscrew   ★ Web Code: VBZ
• 6-32 thread   • Aluminum
• Thread length: 3/8"   • Length: 9/16"

Part No.	Mfr. Part No.	1	10	100
394063	7125-Aℛ	$.75	$.65	$.55

PCB & Fan Mounting Hardware

28337   129252   2133755/2133763   156831   2100064

• Snap "on"
• Nylon   ★ Web Code: PSF
2188481   2188490
* Rubber   # Chrome
† Black anodize
Order in mutiples of 10

Part No.	Cross Ref.	Size (in.)	Holes	10	100
28337	CS1016	1.2L x 0.6W	.2"	$.15	$.12
129252	PCST2ℛ	0.9L x 0.4Dia.	.2"/.3"	.19	.15
2133755	PCST3C	0.7L x 0.5W	.1"/.2"	.08	.06
2133763	PCST4C	0.8L x 0.5W	.1"/.3"	.09	.08
156831	CS-10	0.68L x 0.32Dia.	.14"	.19	.15
2100064	SR1036*	1.5L x 0.38Lip	.167"	.07	.06
2188481	8825-Sℛ#	0.4L x 0.2W	—	.099	.089
2188490	8825ℛ†	0.4L x 0.2W	—	.099	.089

520-Pc. Screw, Nut & Washer Kit
• Steel pan head philips
• Various sized nuts and washers, zinc plated
• Size: 6-32, 8-32, 10-24, 10-32
• Screw lengths: 1/2", 3/4", 1"
Includes: 18-compartment assortment box

Part No.	Mfr. Part No.	1	5
2157950	0161607	$29.95	$26.95

4-40 Mounting Angle Bracket
• Material: zinc plated steel
• Both holes 4-40 threaded

Part No.	Size (L" x W" x H")	1	10	100
1581530	.375 x .25 x .353ℛ	$.35	$.29	$.25

Miscellaneous Hardware
2099745   2100208/2099753   1581572
✳ Order in multiples of 10

Part No.	Description	1	10	100
2100208	Terminal lug, #4 stud washer, 0.470"L (tin)	✳	$.09	$.08
2099745	Terminal lug, #4 stud washer, 0.465"L	✳	.08	.07
2099753	Terminal lug, #8 stud washer, 0.605"L	✳	.15	.12
1581572	Terminal lug, #6 studℛ Lockwasher, 0.865"L	.29	.25	.22
2180164	Handle instrumentation 8-32, 4.5" lengthℛ	2.95	2.59	2.39

JAMECO ValuePro   Adhesive Rubber Feet   ★ Web Code: FAV
These durable, pressure sensitive, adhesive-backed urethane bumpers adhere quickly, resist marring and staining on surfaces and give excellent skid and abrasion resistance.

Fig. 1   Fig. 2   Fig. 3   Fig. 4   Fig. 5   Fig. 6   Fig. 7

Part No.	Cross Ref. No.	Type	Fig.	Pack	Size (W" x H")	1	10	50
2119718	BS-34-100BLℛ	Black cylindrical	1	100	.38 x .13	$3.95	$3.49	$2.95
142658	SJ5012BLKCℛ	Black cylindrical	1	100	.50 x .14	6.95	5.95	5.49
651911	SJ5312CLR56ℛ	Clear cylindrical	2	56	.50 x .14	2.49	2.25	1.95
126981	SJ5023BLK4ℛ	Black square tapered	3	4	.81 x .30	.95	.85	.75
142666	SJ5023BLKCℛ	Black square tapered	3	100	.81 x .30	14.95	13.49	12.49
142771	SJ5008BLKCℛ	Black square tapered	4	100	.50 x .12	7.95	5.95	4.95
142682	SJ5018BLKCℛ	Black square tapered	5	100	.50 x .23	10.95	8.95	7.95
2118871	BS-7-100BLℛ	Black hemisphere	6	100	.34 x .09	2.95	2.65	2.25
2185379	BS-18-BLACK100ℛ	Black recessed	7	100	.50 x .14	6.95	5.95	5.49
2185539	BS-18-CLEAR100ℛ	Clear recessed	7	100	.50 x .14	6.95	5.95	5.49
2185571	BS-44-BLACK100ℛ	Black cylindrical	1	100	.75 x .16	14.95	13.49	12.49
2185598	BS-44-CLEAR100ℛ	Clear cylindrical	1	100	.75 x .16	14.95	13.49	12.49
2081385	GB201	100 assorted sizes & types of bumpers & rubber feet				8.95	7.95	6.95

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

Electromech

1.5VDC – 24VDC Motors

★ Web Code: FBN

| Fig. 1 | Fig. 2 | Fig. 3 | Fig. 4 | Fig. 5 | Fig. 6 | Fig. 7 | Fig. 8 | Fig. 9 | Fig. 10 | Fig. 11 |

| Fig. 12 | Fig. 13 | Fig. 14 | Fig. 15 | Fig. 16 | Fig. 17 | Fig. 18 | Fig. 19 | Fig. 20 | Fig. 21 |
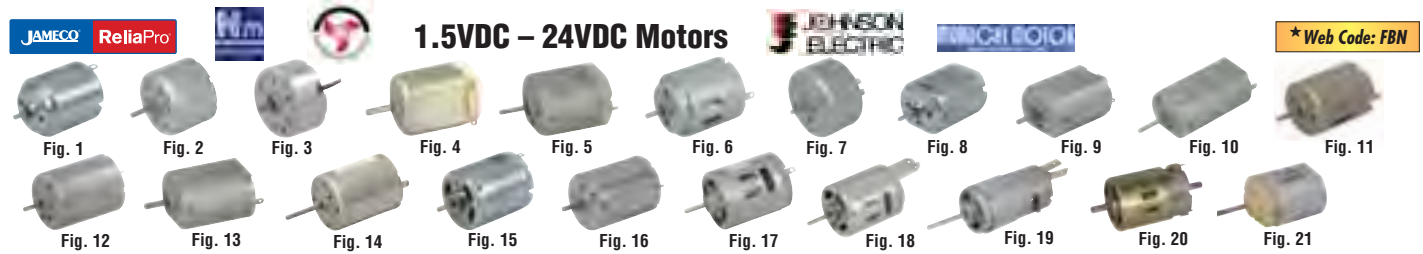
Part No.	Manufacturer	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size Dia. x Depth (in.)	Pricing		
						Speed (RPM)	Current (Amps)	Torque (g-cm)						1	10	100
231917	ReliaPro	FE-260-2670	1	1.5	1.5-3	3700	0.66	10.5	42.9	0.12"/solder	0.078	0.314	0.937 x 1.063	$2.95	$2.75	$2.49
2192755	Mabuchi Motor	FA130RA#	21	1.5	1.5-3	6990	0.66	6.0	50.0	0.07"/solder	0.078	0.30	0.787 x 1.00	3.49	2.95	2.75
238465	ReliaPro	RF-310TA-11400 (CW)	2	2.5	1-6	2190	0.06	3.3	75.0	0.05"/solder	0.078	0.70	0.962 x 0.712	2.95	2.75	2.49
2158442	Nichibo	RF-500TB-18280-R℞	2	3	1-3	2104	0.17	13.4	60.0	0.07"/solder	0.078	0.34	1.25 x 0.75	2.25	1.95	1.75
238458	ReliaPro	RF-300CA-11400 (CW)℞	3	3	1-6	2400	0.065	4.3	56.4	3" wires	0.078	0.19	0.96 x 0.491	3.49	2.95	2.75
154915	Jency Motor	ST130-12240-38	4	3	1.5-3	3588	0.17	7.4	55.0	0.09"/solder	0.08	0.37	0.79 x 1.13	2.49	2.25	1.95
1939589	ReliaPro	FF-130RH-15210	5	3	1-4	4280	0.17	5.8	50.0	0.08"/solder	0.08	0.24/0.21	0.79 x 0.98	2.95	2.75	2.49
1951449	ReliaPro	QJT-260-18130	1	3	1.5-4.5	4780	0.46	10.0	40.0	0.12"/solder	0.078	0.314	0.944 x 1.071	2.95	2.75	2.49
231925	ReliaPro	FE-260-2295	1	3	1.5-4.5	6850	0.63	14	53.9	0.12"/solder	0.078	0.314	0.937 x 1.063	2.75	2.49	2.25
154923	Jency Motor	ST-130-22770	4	3	1.5-3	13200	0.95	10.3	40.0	0.09"/solder	0.08	0.37	0.79 x 1.13	2.49	2.25	1.95
211246	ReliaPro	RC-260RA-2670	6	4.5	3-4.5	15290	1.430	21.8	53.0	0.11"/solder	0.08	0.28	0.93 x 1.06	2.75	2.49	2.25
2173044	Nichibo	RF-500TB-12560	7	6	6-12	2100	0.08	11	58.0	0.08"/solder	0.078	0.342	1.259 x 0.767	3.95	3.49	2.95
2188861	Nichibo	RF-500TB-14415-R℞	7	6	0.7-6.5	2901	0.13	15.9	60.0	0.07"/solder	0.07	0.40	1.25 x 0.72	3.95	3.59	3.25
231829	ReliaPro	PC-280-16210	8	6	3-12	4260	0.28	18	47.6	0.08"/solder	0.078	0.433	0.944 x 1.200	3.95	3.49	2.95
2158434	Nichibo	RF370CH-22170-R℞	14	6	1-6	4787	0.45	34.28	63.0	0.15"/solder	0.078	0.19	0.96 x 1.20	2.25	1.95	1.75
231781	ReliaPro	PC-130F-12240	9	6	3-9	6800	0.25	7	33.4	0.08"/solder	0.078	0.377	0.803 x 0.984	3.95	3.49	2.95
232144	ReliaPro	FF-050S-11170℞	10	7	1.5-9	8500	0.17	7	51.3	0.08"/solder	0.059	0.433	0.61 x 1.059	3.49	2.95	2.75
177498	ReliaPro	RC280RA-2485℞	11	7.2	3-14	14260	1.180	33.3	57.0	0.11"/solder	0.08	0.43	0.95 x 1.20	2.95	2.75	2.49
2095533	Mabuchi Motor	RK-270SH-16175	12	9	4.5-18	6320	0.370	32.5	63.7	0.08"/solder	0.08	0.344	0.96 x 1.21	2.95	2.75	2.49
174693	ReliaPro	21226-384221℞	14	12	9-14	3000	0.015	85.06	—	0.11"/solder	0.08	0.71	0.97 x 1.19	3.49	2.95	2.75
2167437	Johnson Electric	HC970	20	12	12-18	3308	0.5	46.54	60.0	0.19"/solder	0.250	0.90	2.0 x 2.7	9.95	8.95	7.95
2188852	Nichibo	RF-370CH-11435℞	11	12	1.5-14.5	3743	0.12	20.8	59.0	0.8"/solder	0.08	0.53	0.96 x 1.21	3.49	2.95	2.65
2158397	ReliaPro	ERS-360S-10420-C3LVX	15	12	5-12	4000	0.16	35	49.0	5" wires	0.09	1.00	1.10 x 1.30	2.49	2.25	1.95
2155153	Nichibo	PC260SB-10400-NR/38℞	5	12	1.5-15	4719	0.053	97.6	55.0	0.08"/solder	0.08	0.23	0.72 x 1.06	2.75	2.49	2.25
231732	ReliaPro	PC-130SF-09480℞	9	12	6-24	4800	0.11	12.3	49.6	0.08"/solder	0.078	0.377	0.803 x 0.984	3.95	3.49	2.95
238473	Mabuchi Motor	RF-370CA-15370	16	12	3-12	4840	0.17	187	75.0	0.08"/solder	0.078	0.346	0.960 x 1.213	3.49	2.95	2.75
206949	Nichibo	QJT360S14280	17	12	9-30	4930	0.35	44.5	52.0	0.11"/solder	0.09	0.45	1.09 x 1.30	3.49	2.95	2.75
2144673	Mabuchi	RS555PH-23300	15	12	12-30	5050	0.36	380.3	—	0.19"/quick conn.	0.125	0.50	1.44 x 2.625	3.95	3.49	2.95
2155250	Nichibo	MD3BN-14280-R51℞	17	12	6-18	5260	0.268	36.2	63.0	0.11"/solder	0.09	0.45	1.09 x 1.30	3.49	2.95	2.75
231896	ReliaPro	FE-260-08450	1	12	6-12	5560	0.11	10.3	46.6	0.12"/solder	0.078	0.314	0.937 x 1.063	3.49	2.95	2.75
2167681	Nichibo	DC-130SB-10410℞	21	12	6-12	5624	0.20	18.17	47.0	Plug-in	0.09	0.519	0.78 x 1.00	1.95	1.75	1.49
2188801	Nichibo	MP5-18105AS-R℞	17	12	1.5-15	6545	0.63	60.5	54.0	0.11"/solder	0.09	0.53	1.09 x 1.27	2.95	2.59	2.25
1955669	Canon	DN26-T41NIB	13	12	4-12	6600	0.25	34.33	—	0.11"/solder	0.08	0.30	1.01 x 1.00	2.25	1.95	1.75
2188844	Nichibo	FK-050SHB-07295-R℞	9	12	3-19	6784	0.12	9.21	47.0	0.09"/solder	0.05	0.20	0.61 x 1.05	2.95	2.59	2.25
2167592	Nichibo	LS5BFN-2465℞	15	12	6-18	7205	0.75	83.3	72.0	0.11"/solder	0.09	0.54	1.09 x 1.48	3.49	2.95	2.75
1810099	Mabuchi Motor	FK-260SA (14280)	5	12	12-24	8600	0.063	14.8	55.0	0.08"/solder	0.08	0.43	0.96 x 1.06	2.75	2.49	2.25
232005	ReliaPro	UC-280S-19160℞	9	12	6-12	9000	0.57	46.6	63.4	0.08"/solder	0.078	0.47	0.944 x 1.20	3.49	2.95	2.75
2081895	Mabuchi Motor	FC-280ST-18180*	9	12	8-15	9700	0.16	54.3	59.08	Wire/push-in	0.08	0.45	0.95 x 1.32	1.95	1.75	1.49
232022	ReliaPro	MD5-1885℞	15	12	6-18	9820	0.74	53.5	60.7	0.11"/solder	0.091	0.622	1.082 x 1.279	3.49	2.95	2.75
232040	ReliaPro	MD5-2070℞	15	12	6-12	12586	1.30	52.0	62.7	0.12"/solder	0.091	0.48	1.082 x 1.279	3.49	2.95	2.75
232047	ReliaPro	MD5-2445	15	12	6-12	19850	2.05	79.7	66.0	0.12"/solder	0.091	0.622	1.082 x 1.279	4.95	4.49	3.95
2167699	Nichibo	775-8511FDAS℞	15	14.4	6-14.4	17606	18.05	1.03	73.0	0.19"/solder	0.19	0.74	1.77 x 2.59	9.95	8.95	7.95
2167672	Nichibo	MS5N-07500B-R℞	15	24	12-24	2475	0.061	25.39	47.0	0.11"/solder	0.09	0.748	1.10 x 1.279	2.95	2.59	2.29
2120461	Mabuchi Motor	RS385PH-10280	15	24	12-30	3538	0.126	4.54	55.6	0.11"/solder	0.09	0.315	1.15 x 1.5	2.95	2.75	2.49
2158389	ReliaPro	RS555-2580	15	24	12-24	6500	0.15	949	61.8	0.21"/solder	0.125	0.75	1.40 x 2.25	4.95	4.49	3.95
2188810	Nichibo	LS5FN-16120W-R℞	17	24	1-28	8244	0.41	81.7	70.0	0.11"/solder	0.09	0.61	1.14 x 1.47	3.49	2.95	2.65
2192421	Nichibo	HP5BFN-2670-R℞†	15	24	1.5-28	9346	1.05	193	74.0	0.15"/solder	0.12	0.17	0.70 x 1.90	6.95	5.95	4.95
2188828	Nichibo	PC-130SBF-10400TB-R/48℞	13	24	1-34	10823	0.24	25.4	48.8	0.11"/solder	0.07	0.65	0.80 x 0.98	3.95	3.59	3.25
2188836	Nichibo	PC-130SBF-10400TB-R/55℞	13	24	1-34	10823	0.24	25.4	48.8	0.08"/solder	0.07	1.02	0.80 x 0.98	3.95	3.59	3.25
232101	ReliaPro	MD5-1980AS-AA	18	24	12-24	22600	1.43	88.5	60.9	0.24"/solder	0.091	0.512	1.083 x 1.279	4.95	4.49	3.95

With copper gear   *Reverse   †Built-in varistor

Hi-Torque

★ Web Code: FBN

Part No.	Manufacturer	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	Speed (RPM)	Current (Amps)	Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size Dia. x Depth (in.)	1	10	100
237391	ReliaPro	29SYT003	19	13.5	13.5	18000	13	509	—	Quick connect	0.125	1.003	1.141 x 2.283	$8.95	$7.95	$6.95

maxon 36VDC Planetary Gear Head Motors

★ Web Code: KBB

- Nominal torque: 5.98mNm   **2158400**
- 3.5" lead wires
- No load speed: 9800 RPM; nominal speed – 7000 RPM
- Nominal current: 175mA; starting current – 599mA

Part No.	Mfr. Part No.	Gear Head Reduction	Dimensions (Dia." x L")			Pricing		
			Motor	Gear Head	Shaft	1	5	25
2158400	314436	19:1	0.861 x 1.2	0.862 x 1.18	0.157 x 0.454	$19.95	$17.95	$15.95
2158418	314560	84:1	0.861 x 1.2	0.862 x 1.46	0.157 x 0.454	19.95	17.95	15.95

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Electromech

6, 12 & 24VDC Reversible Gear Head Motors

★ Web Code: KBB

• Solder-type terminal • High torque construction • Dielectric strength: 300VDC • Insulation resistance: 10MΩ • Oil bearing design for long service life

32GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
			Speed (RPM)	Current (mA)	Torque (g-cm)					1	5	25
2146505	B32-6V3.1RPM	6	3	90	7350	340:1	1.9 x 0.41	1.3 x 0.9	.28 x .87	$17.95	$15.95	$13.95
253323	B32-6V7RPM	6	6	40	1500	176:1	1.9 x 0.41	1.3 x 0.9	.30 x .70	12.95	11.49	9.95
253307	B32-6V9RPM	6	8	38	1200	150:1	1.9 x 0.41	1.3 x 0.9	.30 x .70	17.95	15.95	13.95

38GM Series

253534	38-010	12	24	97	7500	250:1	1.46 x 1.0	1.3 x 0.9	.24 x .50	$16.95	$14.95	$13.49
253518	38-008	12	40	87.5	4800	150:1	1.46 x 1.0	1.3 x 0.9	.24 x .50	14.95	13.49	11.95
253500	38-007	12	60	82	3200	100:1	1.46 x 0.7	1.3 x 0.9	.24 x .50	17.95	15.95	13.95
253489	38-005	12	110	76	1300	56:1	1.46 x 0.7	1.3 x 0.9	.24 x .50	14.95	13.49	11.95
253471	38-004	12	120	74	1100	50:1	1.46 x 0.7	1.3 x 0.9	.24 x .50	14.95	13.45	11.95
253446	38-001	12	600	61.8	350	10:1	1.46 x 0.7	1.3 x 0.9	.24 x .50	17.95	15.95	14.49
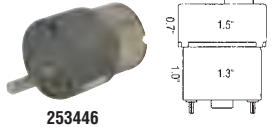
Nichibo Gear Head Motors

2192878	RK-520-17310-R𝓡	12	423	104	1749	50:1	1.46 x 1.0	1.3 x 0.9	.21 x .78	$17.95	$15.95	$14.49
2197476	MD3B-14280-R𝓡	12	327	5214	42.89	180:1	1.45 x 1.1	1.1 x 1.3	.24 x .30	19.95	17.95	15.49

HN27GD Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Speed (RPM)	Current (mA)	Torque (g-cm)					1	5	25
167039	GH12-0953Y𝓡	12	4.5 – 24	9	90	1200	188:1	1.1 x 1.0	1.0 x 0.9	.16 x .60	$18.95	$16.95	$15.25
167047	GH12-1828Y𝓡	12	4.5 – 24	31	195	1300	90:1	1.1 x 0.8	1.1 x 1.3	.16 x .60	23.95	21.95	19.95
249480	GH12-1213Y7-0	12	4.5 – 24	90	51	460	70:1	1.1 x 0.6	1.0 x 0.9	.16 x .60	19.95	18.95	17.95

GH30GM Series

170642	GH12-1828Y-10𝓡	12	6.0 – 24	8	105	3500	332:1	1.2 x 0.9	1.2 x 1.2	.16 x .70	$22.95	$19.95	$17.95
153438	GH12-1045Y𝓡	12	3.0 – 12	13	90	800	200:1	1.1 x 0.6	0.9 x 1.0	.16 x .70	15.95	14.95	13.95
159418	GH12-1921Y𝓡	12	4.5 – 12	25	200	2000	132:1	1.2 x 0.9	1.2 x 1.2	.16 x .70	21.95	19.95	17.95
162191	GH12-1324Y225𝓡	12	4.5 – 12	190	145	300	30:1	1.1 x 0.6	1.0 x 0.9	.16 x .70	17.95	15.95	13.95

GH35GM Series Plastic Gears

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Speed (RPM)	Current (mA)	Torque (g-cm)					1	5	25
155012	GH12-1926𝓡	12	4.5 – 12	2	250	6000	3000:1	1.4 x 0.9	1.3 x 1.0	.23 x .90	$24.95	$22.49	$19.95
155821	GH12-1830Y-P𝓡	12	4.5 – 12	4.5	220	4500	1000:1	1.4 x 0.9	1.3 x 1.0	.23 x .90	23.95	21.95	18.95
155839	GH12-1641T-L𝓡	12	3.0 – 12	20	250	3000	270:1	1.4 x 0.8	1.3 x 1.0	.23 x .90	25.95	22.95	19.95
152911	GH12-1926Y𝓡	12	4.5 – 12	40	172	2370	100:1	1.4 x 0.6	1.3 x 1.2	.24 x .90	24.95	22.49	19.95
151441	GH12-1632TI𝓡	12	4.5 – 12	57	275	2200	100:1	1.4 x 0.6	1.3 x 1.0	.23 x .90	23.95	21.95	21.95
155863	GH12-1926Y-F𝓡	12	4.5 – 12	70	300	1000	60:1	1.4 x 0.7	1.3 x 1.0	.24 x .70	21.95	20.95	19.95
155855	GH12-1641T-F𝓡	12	3.0 – 12	71	250	1000	60:1	1.4 x 0.6	1.3 x 1.0	.23 x .90	24.95	22.49	19.95
161374	GH12-1345T𝓡	12	4.5 – 12	116	185	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	21.95	19.95
161382	GH12-1634T𝓡	12	4.5 – 12	145	293	850	30:1	1.4 x 0.6	1.3 x 1.0	.23 x .90	24.95	22.49	19.95
164786	GH12-1640Y𝓡	12	4.5 – 24	220	120	180	10:1	1.4 x 0.6	1.3 x 1.1	.23 x .90	24.95	22.49	19.95
176050	GH12-1640Y00𝓡	24	12 – 24	1.8	340	6000	3000:1	1.4 x 1.0	1.3 x 1.0	.23 x .90	23.95	21.95	19.95
176032	GH24-1640Y06𝓡	24	12 – 24	50	340	2000	90:1	1.4 x 0.6	1.3 x 0.9	.23 x .90	25.95	22.95	19.95
176023	GH24-1640Y19𝓡	24	12 – 24	148	340	1000	30:1	1.4 x 0.6	1.3 x 0.9	.23 x .90	25.95	22.95	19.95
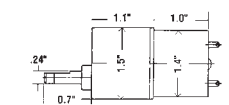
GH35GM Series Metal Gears

2150491	GA25Y37050-75𝓡	6	2.0 – 7.5	133	350	8800	75:1	.98 x 0.9	.97 x 1.2	.16 x .38	$12.95	$11.95	$10.95
2150504	GA25Y370-34𝓡	6	2.0 – 7.5	293	350	4000	34:1	.98 x .83	.96 x 1.2	.16 x .38	12.95	11.95	10.95
155013	HN-GH12-1632T-R-M𝓡	12	4.5 – 12	2	250	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	23.95	21.95	19.95
155822	GH12-1830Y-P-R-M𝓡	12	4.5 – 12	4.5	250	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	23.95	21.95	18.95
151442	HN-GH12-1632T-R-M𝓡	12	4.5 – 12	57	275	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	22.95	20.49	17.95

Specialty Gear Motors

Part No.	Mfr.	Product No.	Rated Voltage	Operating Range	Speed (RPM)	Current (mA)	Torque (g-cm)	Gear Ratio	Size (L" x W" x H")	Shaft Size Dia. x Length (in.)	Special Feature	Pricing		
												1	5	25
2150432	Dagu	DG01D	4.5 VDC	4.5 VDC	90	190	800		2.5 x 1.5 x 0.9	0.21 x 0.31	Motor pair with 90° shaft	$6.95	$6.25	$5.75
400995	Solarbotics	GM8	6 VDC	3-6 VDC	78	57	5500	143	2.17 x 1.89 x 0.91	0.28 x 0.20	Offset/inline plastic gear motor	6.95	6.25	5.75
2135831	Solarbotics	GM10	6 VDC	3-6 VDC	233	20	228	81	0.82 x 1.14 x 1.0	0.08 x 0.20	Self-centering pager motor	11.49	10.95	9.95
2128219	Pololu	1101	6 VDC	6 VDC	320	80	2200	100	0.94 x 0.39 x 0.47	0.12 x 0.35	Mini Gear motor	15.95	14.95	13.95
2136438	Pololu𝓡	1447	12 VDC	6-12 VDC	80	250	18000	131	2.71 x 1.45 x 1.45	0.24 x 0.59	64 CPR Encoder	39.95	37.95	35.95
213488	JRP𝓡	SOTYZ-R	120 VAC	100-120 VAC	6	40	6700	–	2 x 2 x 1	0.28 x 0.52	Clockwise rotation	12.95	11.49	9.95

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

Electromech (side tab)

Image labels: 253307, 32GM Series, 253446, 38GM Series, 167039, HN27GD Series, 159418, GH30GM Series, 155012, 2150491/2150504, 155013, GH35GM Series, 2150432, 400995, 2135831, 2128219, 2136438, 213488

Vibrating Motors & Stepper Motors

JAMECO ReliaPro — 1.3VDC & 3VDC Vibrating Motors

★ Web Code: NBC

• Typical applications: cellular phones, pagers and toys
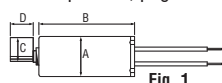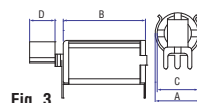
Fig. 1 · Fig. 1 · Fig. 2 · Fig. 3 · Fig. 3 · Fig. 4

Part No.	Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (in.)	Motor Size (A x B) (Dia." x Depth")	Shaft Size (C x D) (Dia." x Length")	Pricing 1	10	100
175062	OTL-7AL	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	$3.95	$3.49	$2.95
256306	6ZK003	2	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	2.95	2.65	2.25
2150731	Z4KL2A0030001	2	1.3 @ 80	1.10 - 1.60	9500 @ 1.3	1.0	0.16 x 0.43	0.18 x 0.14	2.49	2.25	1.95
256322	6ZK211	3	1.3 @ 80	0.80 - 1.60	8500 @ 1.3	PC terminal	0.27 x 0.48	0.11 x 0.11	2.75	2.49	2.25
256365	7ZK692	2	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	3.95	3.49	2.95
256382	7ZK681	2	3.0 @ 60	2.40 - 3.00	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	3.95	3.49	2.95
256314	6ZK053	2	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.25	2.95	2.65
256331	6ZK261	3	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC terminal	0.27 x 0.48	0.11 x 0.11	3.25	2.95	2.65
2189476	C1034B98FR	4	3.0 @ 80	2.50 - 4.00	9000 @ 3.0	1.0	0.39 x 0.13	No shaft	3.49	3.25	2.95

JAMECO ReliaPro — 4VDC to 24VDC Bipolar & Unipolar Stepper Motors

★ Web Code: UBN

Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 24VDC models below.

• Ball bearings
• Dielectric strength: 500V, 50Hz/minute
• Insulation resistance: 100MΩ @ 500VDC
• 18" lead wires
• Ambient temp.: -10°C to +55°C
• Use P/N 161998 (below) for shaft coupler
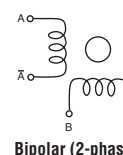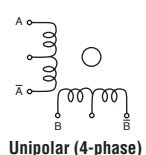
Bipolar (2-phase) · Unipolar (4-phase)

Fig. 1 · Fig. 2 · Fig. 3 · Fig. 4 · Fig. 5 · Fig. 6 · Fig. 7 · Fig. 8 · Fig. 9 · Fig. 10

Part No.	Product No.	Fig.	Drive System	Rated Voltage (VDC)	Step Angle (°5%)	Phase Resis. (Ω)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Wt. (lbs.)	Pricing 1	5	25
1581231	42BYGHM206-07E	3	Unipolar	4	0.9	8.4	670	10	—	793	1.79	0.08	0.195	0.88	1.67	1.27	0.46	$21.95	$19.95	$17.95
237607	57BYGH001	1	Unipolar	5	1.8	5	1000	—	135	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	29.95	26.95	23.95
237825	25BY4801	4	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	9.95	8.95	7.95
237631	57BYGH803	1	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	49.95	44.95	39.95
2138812	35BY48I030-01	5	Unipolar	7	7.5	20	350	11	125	450	1.59	0.12	0.078	0.47	1.37	0.85	0.22	8.95	7.95	6.95
224022	42BYG016	6	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	21.95	19.95	17.95
155433	42BYG228	6	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	20.95	18.95	16.95
237543	57BYG007	2	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	29.95	27.95	25.95
238538	42BYGH404	7	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	21.95	19.95	17.95
162027	57BYG084	2	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	35.95	32.25	28.95
238115	35BY48B08	8	Unipolar	24	7.5	75	320	38	65	270	1.65	0.13	0.08	0.35	1.38	0.59	0.15	8.95	7.95	6.95
2120479	RDS3000	9	Bipolar	4	1.8	4	1000	10	—	3600	1.21	0.09	0.195	0.312	1.67	1.62	0.40	19.95	17.95	15.95
237490	39BYG001	6	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	21.95	19.95	17.95
237578	57BYG061	2	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	34.95	31.95	28.95
237519	42BYG017	6	Bipolar	6.3	1.8	15	420	16	150	1400	1.22	0.10	0.20	0.51	1.67	1.34	0.50	21.95	19.95	17.95
2158531	STP-42D201-37†	10	Bipolar	12	1.8	1.55	1700	5	163	3200	1.22	0.15	0.19	0.68	1.65	1.49	0.60	14.95	13.49	11.95
155460	42BYG023*	6	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	21.95	19.95	17.95
237472	39BYG401A	6	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	21.95	19.95	17.95
2158557	M25SP-5N†	10	Bipolar	24	7.5	12	550	—	177	183	1.25	0.27	0.08	0.22	1.25	0.53	0.06	7.95	6.95	6.25

*155460: Dual shaft   † Mfr.: 2158531: Shinano Kenshi; 2158557: Mitsumi

JAMECO ReliaPro — Spider Couplers

• Used with motors
• 1 set screw per hub
• Hub OD: 0.625" Dia.
• Hub length: 0.56"
• Parts sold individually

162288 (Coupler) · 162000 (Rubber Spider)

★ Web Code: EBE

Part No.	Description	1	10	100
162288	.125" (3.18 mm) ID hub	$1.95	$1.75	$1.25
161998	.197" (5.00 mm) ID hub	1.95	1.75	1.25
162270	.250" (6.35 mm) ID hub	1.95	1.75	1.25
162000	Rubber spider	1.75	1.49	1.19

CLIMAX — Spider Shaft Coupler

• 2 set screws (10-32 x 1/8)
• Size: 0.75"L x 0.5"OD

★ Web Code: EBE

Part No.	Description	1	5	25
138288	.250" ID sleeve coupler	$6.95	$6.25	$5.59

★ Thrust Bearings — Enter Web Code THW

JAMECO ValuePro — 10-Pc Gear Assortment

• Polyethylene resin
• Gears are 0.147" bore size
• Bushings are 0.07" bore diameter
• T10, T20, T30, T40, T50 and bushing

Part No.	Description	1	5	25
1810072	Gear set – 10 pieces	$7.95	$6.95	$6.25

★ Gears — Enter Web Code PEF

HARDWARE GRAB BAGS
P/N 171571 · 500 pcs. $6.95
P/N 171635 · 1400 pcs. 15.95

2-Amp Dual-Channel Motor Controller

This motor controller uses the high-power L298N motor driver chip, which allows for direct drive of 2 bidirectional DC motors. It can drive up to 2A of current per motor, and uses a broad brush design to reduce wire resistance.

- Logic input voltage: 6V-12V (at 36mA)
- Drive input voltage: 4.8V-46V (at 2A)
- Max. power dissipation: 25W
- Drive type: dual high-power H-bridge driver
- Operating temperature: -25°C to +130°C

Part No.	Mfr. Part No.	Size (L" x W")	Wt. (oz.)	1	5
2159411	DRI0002	1.9 x 2.1	1.03	$19.95	$18.95

KAE Industrial Motion Controllers for Brush, Brushless & Stepper Motors

323942: • For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps

323942

323951: • For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- Amplifier capable of driving 6A continuously @ up to 48VDC
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Support for linear & circular interpolation using the PIC-SERVO CMC chipset

184997

184997: • Trapezoidal position profiling, velocity mode, up to 50,000 steps/sec.
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Integrated indexer and driver for 2 or 4 phase stepper motors

Part No.	Description	Size (L" x W" x H")	1	5
323942	PIC-SERVO motor control board	3.1 x 2.1 x 0.9	$159.95	$151.95
323951	PIC-SERVO 3-phase motor control board	3.1 x 3.1 x 0.9	239.95	227.95
184997	PIC-STEP motor control board	3.1 x 2.1 x 0.9	159.95	151.95

Hub and 48-Pitch Gear Set

- Low coefficient of friction requires little or no lubrication
- Residual stress removed by annealing process

157104

168284 Includes:
1 each of the following: 10 teeth with 3⁄32" bore size; 14 and 16 teeth with 1⁄8" bore, 20, 24, 30, 36, 44, 54, 66, 84 and 100 teeth with 1⁄4" bore size

168284

Part No.	Description	1	5	25
157104	1/4" bore aluminum mounting hub with set screws	$8.95	$7.95	$6.95
168284	Gear set - 12 pieces (see description above)	39.95	34.95	31.95

16-Pitch Sprocket Set and Chain

- Operates in high humidity and corrosive environments
- Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.

157075   **157075**   **168276**

168276: 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with 1⁄8" bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with 1⁄4" bore size

Part No.	Description	1	5	25
157075	Drive chain (12" long)	$12.95	$11.49	$9.95
168276	Sprocket set - 14 pieces (see description above)	29.95	26.95	23.95

Scorpion High-Performance 2-Ch Motor Controllers

Great for small to medium sized robots. Using the latest automotive-grade power ICs to offer power handling and load protection not found in other controllers this size. It also features an automatic failsafe shutoff if R/C signal is lost. FLASH-based microcontroller.

2204066: 4.8V to 28V battery voltage, 12.5A continuous current (45A peak) per channel or 25A in single channel, current/over-temp limiting.
2204074: 6V to 28V battery voltage, 20A cont. current (45A peak) per channel or 25A cont. when used with a fan (sold separately), Lipo battery cutoff option.

2204074

Part No.	Mfr. Part No.	Sugg. Robot Weight	Size (L" x W" x H")	Wt. (oz.)		Price
2204066	Scorpion XL	30 lbs. (max.)	2.7 x 1.6 x 0.5	1.0	NEW MARKED IN PINK	$99.95
2204074	Scorpion XXL	90 lbs. (max.)	3.3 x 2.3 x 0.5	1.8		124.95

Pololu High Power Motor Driver

- N-channel MOSFET H-bridge enables bidirectional control one of DC brushed motor
- 15 amps continuous output current per channel without heat sink   • 5.5-30V operating voltage range
- Able to provide 21A continuous current with a heatsink
- Only 2 I/O lines allow for both sign magnitude and locked-antiphase operation   • 40kHz max. PWM frequency
- 5.5V max. logic voltage   • Soldering required

Part No.	Mfr. Part No.	Size (L" x W")	Wt. (gram/oz.)	1	5
2128235	755ℛ	0.8 x 1.3	2.8/0.1	$39.95	$37.95

JAMECO KitPro DC Motor Speed Control Kit

This kit uses Pulse Width Modulation (PWM) to vary the speed of a DC motor and maintain torque.
- For use with motors up to 100VDC/5A max.
- Intermediate level kit
- Total of 35 pieces
- Requires a 5-16VDC supply (Not included, recommend P/N 114825, pg.96)

★**Web Code: VBA**

Part No.	Cross Ref. No.	Size (L" x W" x H")	1	5
127829	GMC-1102ℛ	3.6 x 2.3 x 1.2	$39.95	$36.95

MOTION USB Stepper Controller & Driver

- Easy to set up; easy to use
- Daisy chainable on a 4 wire bus
- 1 Amp chopper (PWM) drive
- Operates from 9-30V   • USB/RS232/RS485 interface
- Go Left/Right upon switch closure
- 2 direction and 2 limit switch inputs
- Potentiometer-settable speed and current

★**Web Code: VBA**

Part No.	Mfr. Part No.	Size (L" x W" x D")	1	5
2123311	Intelli-Inch-LRℛ	1.0 x 1.0 x 0.5	$74.95	$69.95

★*Motor Controllers — Enter Web Code VBA*

4-Ch DC Motor Controller with Encoder Support

- Each channel rated for 4A of stall current
- Built-in control logic allows 2-pin motor control (one pin for speed, one pin for direction)
- Low resistance FET "H" bridges
- Motor supply: 12VDC max.
- Designed for the Rover 5 chassis (P/N 2143865, pg 156)
- Size: 3.75"L x 2.75"W

Includes: Quadrature encoder mixing circuit

Part No.	Mfr. Part No.	1	5
2150539	RS011MC	$21.95	$19.95

MegaMoto Plus H-Bridge Shield for Arduino

- Supply Voltage: 5-28V (24V max battery)
- 20A continuous (25A when used with a fan)
- 40A surge current (5 seconds), over 1100W
- Stack up to three on an Arduino Uno to drive up to six motors in half-bridge mode.
- Control with Arduino PWM pins and even control other DC loads like solenoids or relays.

NEW MARKED IN PINK

Part No.	Mfr. Part No.	Wt. (oz.)	Price
2204023	MegaMoto Plus	1.3	$54.95

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

Electromech

Electromech

Servo Motors and Accessories

- + pulse width 1500µsec. neutral control system
- Operating voltage range: 4.8V to 6V

HITEC

★ *Web Code: FVD*

2128198 395760 358635 395786 2124971

Motors

Part No.	Manufacturer Part No.	Oper. Speed (4.8V@no load)	Stall Torque @ 4.8V (kg.cm)	Direction	Operating Angle	Current Drain (mA, idle/ mA no load)	Dimensions (L" x W" x H")	Pricing 1	Pricing 5
2128198	105ℛ*	.12sec/60°	0.6	Clockwise	—	—	0.8 x 0.3 x 0.8	$9.95	$8.95
2150416	RS001A	.12sec/60°	1.5	Clockwise	—	—	1.3 x 0.5 x 1.1	4.95	4.49
395760	HS-322HD	.19sec/60°	3.0	Clockwise	40°/one side pulse	7.4/160	2.1 x 0.8 x 1.4	14.95	13.49
358635	HS-311	.19sec/60°	3.0	Clockwise	40°/one side pulse	7.4/160	1.5 x 0.8 x 1.1	16.95	15.95
395786	HS-422	.21sec/60°	3.3	Clockwise	45°/one side pulse	8/150	1.6 x 0.8 x 1.4	19.95	18.95
2124980	HS-485HBℛ	.22sec/60°	4.8	Clockwise	45°/one side pulse	8/150	1.6 x 0.8 x 1.5	19.95	17.95
2124971	HS-645MGℛ	.24sec/60°	7.7	Clockwise	45°/one side pulse	8.8/350	1.6 x 0.8 x 1.5	37.95	33.95

* Manufacturer: Pololu Corp.

Accessories

Part No.	Description	1	5
358811	Servo gripper, 1.3" opening (compatible with all servos above)	$16.95	$15.95
396279	3 color servo wire (red, black, yellow), 22-20, 50'	15.95	14.49
2171209	Analog sensor cable, 3-pin JST female connector	2.49	2.25
2177838	12" female-to-female 3-wire servo/sensor cableℛ	1.95	1.75
2143902	24" male-to-female twisted servo extension cableℛ	3.75	3.49

358811

396279

2171209

Continuous & 0-180° Rotation Servos

PARALLAX ℛ Pololu

Controlled easily from a BASIC Stamp or SX chip I/O pin using PBASICs or SX/B's PULSOUT commands.

- 4-6VDC @ ~190mA

★ *Web Code: FVD*

2128201

2128201: 2 ball bearings on the output shaft for reduced friction
2110692/283021: Holds position over 180° range; standard servo
283039: Bidirectional continuous rotation and includes an adjustable potentiometer port to center the servo

Part No.	Mfr.	Mfr. Part No.	Stall Torque @ 6V	Size (L" x W" x H")	Weight (oz.)	1	5
2201615	ReliaPro	CYS-S3003	38.88 oz.-in	1.6 x 0.8 x 1.5	1.75	$10.95	$9.95
2128201	Pololu	1248ℛ	66.7 oz.-in	1.7 x 0.8 x 1.6	1.55	13.95	12.95
283021	Parallax	900-00005ℛ	43.1 oz.-in	2.2 x 0.8 x 1.6	1.55	14.95	13.95
283039	Parallax	900-00008	47 oz.-in	2.2 x 0.8 x 1.6	1.50	14.95	13.49
2110692	Parallax	900-00014ℛ	19.4 oz.-in	0.9 x 0.37 x 0.61	0.31	14.95	13.95

Scott Edwards Electronics, Inc.

Serial Servo Controller Module

- Controls 8 pulse-proportional servos
- Receives serially at 2400 or 9600 baud
- Module is addressable, allowing 2 units to share the same line to control a total of 16 servos
- Connections to serial input can be established using a modular jack (P/N 115554, pg 48) or modular adapter from DB9 to RJ11 (P/N 114738, pg 48)
- Size (PCB): 1.9"L x 1.4"W
- One-year warranty

Part No.	Description	1	5
151001	Mini SSC II	$39.95	$34.95

★ *Motor Shield for Arduino — Enter Web Code ARD*

6-Channel USB Servo Controller

Pololu

- 5-16V operating voltage
- USB, TLL (5V) serial & internal scripting
- 0.25µs resolution with built-in speed and acceleration control
- Configure channels as outputs for RC servos, ESCs, digital outputs or analog inputs
- 1kB internal script memory
- Can be daisy-chained
- Free configuration control app for Windows®
- Size: 1.2"L x 0.85"W

Part No.	Mfr. Part No.	1	5
2128180	1350ℛ	$19.95	$18.95

JAMECO ReliaPro

12VDC & 24VDC Continuous Push/Pull Solenoids

★ *Web Code: MEJ*

1919385 262247 262272 262167 142464 2196748 2201818

149754

149762

1919203

Part No.	*Mfr.	Product No.	Type	Volt. (VDC)	Coil Res. (±10%) (Ω)	Power Consump. (W)	Holding Force (lbs.@20°C)	Stroke (in.)	Dimensions Length x Dia. (in.)†	Shaft Dia. (in.)	Wt. (lbs.)	Pricing 1	Pricing 5	Pricing 25
1919385	JRP	SMO-0420S12STD	Open frame-push	12	120	1.2	0.04	0.10	1.4 x 0.5 x 0.4	0.060	0.02	$12.95	$11.49	$9.95
262247	JRP	SMO-0520L12STDℛ	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	10.95	9.95	8.95
262272	JRP	SMO-0837S12STDℛ	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	8.95	7.95	6.95
262167	JRP	SMT-1325L12STDℛ2	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	14.95	13.45	11.95
142464	JRP	SH-T1130L-12VDCℛ1	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	11.95	10.95	9.95
2196748	JRP	SH-T2551Lℛ	Tubular-pull	12	15	10	4.0	1.5	3.1 x 0.87	0.120	0.39	15.95	14.49	12.95
2201818	JRP	SH-T2551ℛ	Tubular-pull	24	60	40	4.0	1.0	3.1 x 0.87	0.120	0.39	16.95	15.49	13.95
149754	JRP	SMT-1325S12Aℛ2	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	19.95	17.95	15.95
149762	JRP	SMT-1632S12Aℛ	Tubular-push	12	21	7.0	1.50	0.24	2.5 x 0.6	0.098	0.10	16.95	15.25	13.75
1919203	LEX	191172-001	Stroke-push	12	45	7.3	—	0.125	1.0 x 0.5	0.060	0.10	4.49	3.95	3.59

† Open frame type dimensions: L" x W" x H" *Dual shaft **1** P/N 281852 (pg 81), **2** P/N 2182611 (pg 81) – additional panel mounting hardware available

---

JAMECO ReliaPro

12VDC Solenoid Valve

- Current: 350mA
- Operating voltage: 12VDC
- Dimensions: 1.2"L x 0.92" Dia.
- Air leakage: 4psi, 1c.c./min. max.
- 0.250" quick disconnect terminals
- Operational temp.: -29°C to 85°C

★ *Web Code: MEJ*

Part No.	Cross Ref. No.	1	5	25
169835	TAV-0829-Rℛ	$10.95	$9.95	$8.95

Order Entry and Customer Service

"The best thing about Jameco is the people. I am the 'mother figure' here and am always there for my Jameco family!"

CONNIE

17 Years of Service

⊛ **JRP** = Jameco ReliaPro | **LEX** = Ledex

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Tubeaxial Fans & Blowers

★ *5V Web Code: TAS* ★ *12V Web Code: LBZ*

695050 2134125 2131952

mm to Inches Conversion Chart

mm	6	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	70	75	76	80	92	94	95	97	120	125	126	127	150	172
Inches	0.24	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.76	2.99	2.99	3.15	3.63	3.70	3.74	3.82	4.72	4.92	4.96	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
2095277	Adda®	AD2005LX-G70-LF	5	20 x 20 x 10	0.6	Hypro	80	0.4	UL/CUL/CSA/TUV/CE	20	5.5"	$5.95	$4.95	$3.95	$2.95
2131872	Adda®	AD0205MX-K53-LF	5	25 x 25 x 6	2.2	Hypro	120	0.6	UL/CUL/TUV/CE	27.5	6" 1	8.95	7.95	6.95	5.95
131247	Adda®	AD0205LX-G50-LF	5	25 x 25 x 10	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	9.95	8.95	7.95	7.49
695050	Sunon	GM0502PFV2-8	5	25 x 25 x 10	3.0	Vapo	80	0.4	UL/CUL	16	5.5"	10.95	9.95	8.95	7.95
1708481	Sunon	KDE0502PHB3-8 (MS)	5	25 x 25 x 15	1.8	Ball	80	0.4	UL/CUL	16	4"	7.95	6.95	6.25	5.59
2131899	Adda®	AD0305LX-K70-LF	5	30 x 30 x 6.8	2.5	Hypro	90	0.45	UL/CSA/TUV/CE	18.5	6"	3.95	3.49	2.95	2.49
1928311	Adda	AD0305LB-K70	5	30 x 30 x 6.8	2.5	Ball	60	0.3	UL/CUL/TUV/CE	18.5	6"	3.95	3.49	2.95	2.49
1951211	Sunon	KDE0503PEV1-8.MS.N	5	30 x 30 x 6.8	4.9	Vapo	180	0.9	UL/TUV/CE	24.8	6"	3.95	3.49	2.95	2.49
1951220	Sunon	KDE0503PEB3-8.MS.N	5	30 x 30 x 6.8	2.4	Ball	70	0.35	UL/TUV/CE	16.5	6"	3.95	3.49	2.95	2.49
2095293	Adda®	AD305HB-D50-LF	5	30 x 30 x 15	3.7	Ball	130	0.65	UL/CUL/TUV/CE	22.5	11"	3.95	3.49	2.95	2.49
2134096	Adda	AD3505MX-G53	5	35 x 35 x 10	6.0	Hypro	130	0.65	UL/CUL/TUV/CE	30	5.5" 1	4.95	4.49	3.95	3.49
1708457	Sunon	KDE0504PEB3-8 (MS)	5	40 x 40 x 6.8	3.5	Ball	90	0.45	UL/CUL/TUV	20	6"	4.95	4.49	3.95	3.59
2167242	Adda®	AD0405LB-K90(S)-LF	5	40 x 40 x 6.8	4.5	Ball/Sleeve	50	0.25	UL/CUL/CE	19.9	5.4"	9.95	8.95	7.95	7.49
2132031	Adda®	AD0405HX-KC3(Y14X)LF	5	40 x 40 x 6.8	5.9	Hypro	60	0.6	UL/CSA/TUV/CE	27	5.5" 1	4.95	4.49	3.95	3.49
2133886	Adda	AD0405LX-G70	5	40 x 40 x 10	4.7	Hypro	80	0.40	UL/CUL/TUV/CE	21	11"	5.95	5.39	4.79	4.39
2138628	Adda®	AD0405MB-G70-LF	5	40 x 40 x 10	5.7	Ball	110	0.55	UL/CUL/TUV/CE	22	12"	8.95	7.95	6.95	6.49
2131928	Adda®	AD0405MX-G76-LF	5	40 x 40 x 10	5.7	Hypro	110	0.55	UL/CUL/TUV/CE	15.9	11" 2	4.95	4.49	3.95	3.49
1581265	Sunon	KDE0504PFS1-8	5	40 x 40 x 10	7.0	Sleeve	110	0.6	UL/CUL	27	12"	6.95	6.25	5.59	4.95
2100013	Delta	AFB0405LD-R00	5	40 x 40 x 20	5.6	Ball	210	1.05	UL/CSA/VDE/CE	25	13" 2	4.95	4.49	3.49	2.95
2131910	Adda®	AD0405MX-C50-LF	5	40 x 40 x 20	8.1	Hypro	160	0.8	UL/CUL/TUV/CE	27	5.5"	5.95	4.95	3.95	3.49
1951406	Delta	AFB0405HD-ROO	5	40 x 40 x 20	8.5	Ball	400	2.0	UL/CUL/TUV/CE	33	12" 1	5.95	4.95	3.95	3.49
2095251	Adda®	AD4505MX-K90-LF	5	45 x 45 x 6	7.1	Hypro	120	0.6	CE	25.5	5.5"	3.95	3.59	3.29	2.95
2134109	Adda	AD4505HB-K90	5	45 x 45 x 6	9.5	Ball	140	0.70	CE	33	5"	4.95	4.49	3.95	3.49
2134125	Adda	AP0505HB-J90§	5	50 x 50 x 8	6.0	Ball	120	0.60	UL/CUL/CE	30	5"	5.95	5.39	4.79	4.39
136494	Delta	AFB0505LA	5	51 x 51 x 10	7.4	Ball/Sleeve	80	0.4	UL/CE/CSA/VDE	26	11"	5.95	4.95	3.95	3.49
2150774	Adda®	AD0505MB-G70-LF	5	51 x 51 x 10	10.5	Ball	180	0.9	UL/CUL/TUV/CE	24	12"	9.95	8.95	8.49	7.95
2186241	Sunon	KDE0505PFV111.MS.AGN	5	51 x 51 x 10	13	Vapo	270	1.4	UL/CUL/VDE	30	16" w/conn	9.95	8.95	7.95	6.95
136283	Elina	KDC050515MB	5	51 x 51 x 15	12.7	Ball/Sleeve	380	4.0	UL/CE/CUL/TUV	28	11"	4.95	4.49	3.95	3.49
2131961	Adda®	AD0605MX-D71GL-LF	5	60 x 60 x 15	14.2	Hypro	250	1.25	UL/CSA/TUV/CE	28.8	5"	3.95	3.49	2.95	2.59
2131952	Adda®	AD0605MB-D71GL-LF	5	60 x 60 x 15	14.2	Ball	250	1.25	UL/CSA/TUV/CE	28.8	6"	5.95	5.49	4.95	4.49
2081756	Adda	AD0605HB-D71GL	5	60 x 60 x 15	16.6	Ball	370	1.8	UL/CUL/CE	32	6"	5.95	5.49	4.95	4.49
1951414	Delta	AFB0605HD	5	60 x 60 x 20	16.6	Ball	240	1.2	UL/CUL/TUV/CE	28	12"	5.95	4.95	3.95	3.49
355493	Sunon	KD0506PTS3	5	60 x 60 x 25	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/conn	3.95	3.59	3.29	2.95
134869	Delta	AFB0605M	5	60 x 60 x 25	16.2	Ball	220	1.1	UL/CE/CSA/TUV	24.5	12"	4.95	4.49	3.95	3.49
2131944	Adda®	AD0605HB-A70-LF	5	60 x 60 x 25	23.2	Ball	450	2.25	UL/CUL/TUV/CE	32	11"	4.95	4.49	3.95	3.49
1951078	Mechatronics	F6025E05B2-FS	5	60 x 60 x 25	24	Ball	700	3.5	UL/CUL	36	12" 2	4.95	4.49	3.95	3.49
1951094	Mechatronics	E9225M05B2-FS	5	92 x 92 x 25	44	Ball	560	2.8	UL/CUL	32	12" 2	4.95	4.49	3.95	3.49
1951107	Mechatronics	F1238L05B2-FS	5	120 x 120 x 38	94	Ball	800	4.0	UL/CUL	36	12" 2	5.95	4.95	4.49	3.95
2131881	Adda®	AD0212MX-K53-LF	12	25 x 25 x 6	2.2	Hypro	80	0.4	UL/CSA/TUV/CE	23	6" 1	7.95	6.95	5.95	4.95
2095306	Adda®	AD0212MB-K50 (S)-LF	12	25 x 25 x 6	2.4	Ball/Sleeve	90	1.08	UL/CUL/TUV/CE	26	5.5"	11.95	10.95	10.49	9.95
2179454	Jamicon®	KF0210S1H	12	25 x 25 x 10	2.57	Sleeve	120	1.44	UL/CUL/TUV	27.4	12"	6.95	6.25	5.59	4.95
1708449	Sunon	KDE1202PFB1-8 (V)	12	25 x 25 x 10	3.1	Ball	83	1.0	UL/CUL	33	6"	7.95	6.95	5.95	4.95
2133851	Adda	AD0312DX-G50 (GL)	12	30 x 30 x 10	1.8	Hypro	60	0.3	CE	17	5.5"	4.95	3.95	3.49	2.95
2133860	Adda	AD0312DX-G53	12	30 x 30 x 10	1.8	Hypro	60	0.3	UL/CUL/TUV/CE	17	5.5" 1	5.95	5.39	4.79	4.39
1708465	Sunon	KDE1203PFB2-8 (MS)	12	30 x 30 x 10	4.2	Ball	66	0.8	UL/CUL	25	6"	3.95	3.49	2.95	2.49
212784	Sunon®	KDE1203PFB1-8V	12	30 x 30 x 10	5.1	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	4"	3.95	3.49	2.95	2.49
212783	Sunon	KDE1203PFB1-8	12	30 x 30 x 10	5.1	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	5.9"	7.95	6.95	5.95	4.95
1928134	Adda	AD0312HB-D50	12	30 x 30 x 15	4.2	Ball	110	1.3	UL/CUL/TUV/CE	22.5	3" w/ conn	4.95	4.49	3.95	2.95

1 3 leads; speed sensor   2 3 leads; locked rotor protection   (All fans operate to their specs with or without the additional optional wire functions)   § DC chip cooler

For case mounting screws, P/Ns 2188481 or 2188490, page 81

Fans

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Tubeaxial Fans & Blowers (Continued)

★ **12V Web Code: LBZ**

2099500   1950446   2131979

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	1	10	50	100
212741	Sunon	KDE1235PFB2-8	12	35 x 35 x 10	4.5	Ball	60	0.8	UL/CUL/TUV/CE/VDE	21	3" w/ conn	$9.95	$8.95	$7.95	$6.95
2179411	Sunon R	MC35101V1-0000-A99	12	35 x 35 x 10	7.0	Vapo	60	0.72	UL/CSA/TUV/CE	28	6"	11.95	10.95	9.95	8.95
2186224	Delta	FFB03812VHN-F00	12	38 x 38 x 28	20.2	Ball	65	7.8	UL/CSA/VDE/CE	58.5	13" [1]	9.95	8.95	7.95	6.95
2099500	Adda R	AD0412HB-K96 (S)	12	40 x 40 x 6	5.8	Ball	80	0.72	UL/CUL/TUV/CE	31	5.5" [1]	8.95	7.95	6.95	6.25
2162716	Delta	AFB0412MA	12	40 x 40 x 10	4.6	Ball	80	0.4	UL/CSA/VDE/CE	28	8.5" w/ conn	4.95	4.49	3.95	3.65
2167630	Sunon R	HA40101V4-0000-999	12	40 x 40 x 10	5.3	Vapo	65	0.8	UL/TUV/CE	18.2	12"	6.95	6.25	5.59	4.95
2133915	Adda	AD0412MX-G70	12	40 x 40 x 10	5.7	Hypro	80	0.96	UL/CUL/TUV/CE	20	11.5"	5.95	5.39	4.79	4.39
2205384	Adda R	AD0412HB-G70(T)	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	12"	6.95	6.25	5.59	5.49
2179753	Sunon R	MB40101V2-000U-A99	12	40 x 40 x 10	7.0	Vapo	80	1.0	UL/CUL/TUV/CE	27	12" w/ conn	6.95	6.25	5.59	4.95
1950139	Sunon	KDE1204PFS2-11	12	40 x 40 x 10	7.0	Sleeve	92	1.1	UL/CUL/TUV/CE	27	12"	3.95	3.49	2.95	2.49
2133923	Adda	AD0412UX-G70	12	40 x 40 x 10	7.0	Hypro	100	1.2	CE	25	11"	6.95	6.25	5.59	4.95
2167234	Sunon R	ME40101V1-0000-A99	12	40 x 40 x 10	8.0	Vapo	104	1.25	UL/CUL/TUV	32	12"	7.95	6.95	6.25	5.95
1708473	Sunon	KDE1204PFVX11.MS.A	12	40 x 40 x 10	9.5	Vapo	150	1.8	UL/CUL/TUV	39	12"	5.95	4.95	4.49	3.95
2162821	Delta	AFB0412HHB	12	40 x 40 x 15	5.7	Ball	90	1.08	UL/CUL/CSA/TUV	35	12"	5.95	5.39	4.79	4.29
2133894	Adda	AD0412HB-D56	12	40 x 40 x 15	9.2	Ball	120	1.44	UL/CUL/TUV/CE	39	11" [1]	5.95	5.39	4.79	4.39
195899	Sunon	KDE1204PKS2	12	40 x 40 x 20	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	4.95	4.49	3.95	3.59
2151021	Sanyo Denki R	109P0412H601	12	40 x 40 x 20	8.0	Ball	110	1.3	UL/CSA	33	7" w/ conn [1]	7.95	6.95	5.95	4.95
2133907	Adda R	AD0412MB-C50	12	40 x 40 x 20	8.5	Ball	80	0.96	UL/CUL/TUV/CE	28.5	11"	5.95	5.39	4.79	4.39
687754	Sunon	KDE1204PKSX-8	12	40 x 40 x 20	9.5	Sleeve	90	1.1	UL/CSA	28	11"	4.95	3.95	3.49	2.95
2082100	Sunon	KDE1204PKBX-8	12	40 x 40 x 20	10	Ball	90	1.1	UL/TUV/CE	29.4	4"	7.95	6.95	6.25	5.59
1928118	Adda	AD0412HB-C50	12	40 x 40 x 20	10.5	Ball	100	1.2	UL/CUL/TUV/CE	31.9	12"	8.95	7.95	6.95	6.25
2135380	Adda R	AD0412UB-C72GP(P)	12	40 x 40 x 20	10.6	Ball	170	2.4	UL/CUL/TUV/CE	34	12" [2]	9.95	8.95	7.95	6.95
2186161	Sunon	KDE1204PKBX.MS.M	12	40 x 40 x 20	10.8	Ball	130	1.6	UL/TUV/CE	29	17" w/ conn [2]	9.95	8.95	7.95	6.95
2188465	Sunon R	PMD1204PBB1-A	12	40 x 40 x 24	23.5	Ball	780	9.4	UL/TUV/CE	55	12"	10.95	9.95	8.95	7.95
2186232	Delta	FFB0412HN-5T20	12	40 x 40 x 28	10.6	Ball	110	0.84	UL/CSA/TUV	36	3.5" w/ conn [1]	5.95	5.39	4.79	4.29
2082089	Sanyo Denki	109P0412H302	12	40 x 40 x 28	11.3	Ball	195	2.3	UL/CSA/TUV	37	3.75"	6.95	5.95	5.49	4.95
1950753	Comair Rotron	CR4512MB-G70	12	45 x 45 x 10	6.9	Ball	70	0.8	UL/CUL/CE/TUV	21.6	12"	5.95	5.49	4.95	3.95
2095322	Adda R	AD4512HX-G70	12	45 x 45 x 10	9.1	Hypro	90	1.08	UL/CUL/TUV/CE	27.4	11"	7.95	6.95	6.25	5.59
1918809	Jamicon	KF0510B1M	12	50 x 50 x 10	9.27	Ball	80	0.8	UL/CUL/TUV/CE	26.6	10.5"	3.95	3.49	2.95	2.49
2095331	Adda R	AD0512MS-G70	12	50 x 50 x 10	10.5	Hypro	120	1.4	UL/CUL/TUV/CE	24	11"	4.95	4.49	3.95	3.49
2095349	Adda R	AD0512MB-G76	12	50 x 50 x 10	10.5	Ball	120	1.4	UL/CUL/TUV/CE	24	11" [1]	9.95	8.95	7.95	6.95
1950446	Sunon	KD1205PFB1(2)H	12	50 x 50 x 10	11.4	Ball	130	1.6	UL/TUV	34.7	12"	7.95	6.95	6.25	5.59
2155284	Sunon R	KDE1205PFVX.11.MS.A.GN	12	50 x 50 x 10	15.2	Vapo	170	2.0	UL/CUL/TUV/CE	35	12"	7.95	6.95	6.25	5.95
2134117	Adda	AD5012LX-D70	12	50 x 50 x 15	10.4	Hypro	80	0.96	UL/CUL/TUV/CE	22.7	5.5"	6.95	6.25	5.59	4.95
139601	Adda	AD0512HS-D71	12	51 x 51 x 15	12	Sleeve	100	1.2	UL/CSA/CE	29	5"	3.95	3.49	2.95	2.49
139602	Adda R	AD0512HS-D71-LF	12	51 x 51 x 15	12	Sleeve	100	1.2	UL/CSA/CE	29	6"	8.95	7.95	6.95	6.25
2133991	Adda	AD0612LX-G70	12	60 x 60 x 10	10.0	Hypro	120	1.44	UL/CUL/TUV/CE	26	11"	6.95	6.25	5.59	4.95
2205499	Adda	AD0612HB-G90	12	60 x 60 x 10	14.06	Ball	250	3.0	UL/TUV/CE	33.8	4.5" w/ conn	6.95	6.25	5.49	4.95
2095357	Adda R	AD0612HB-G70	12	60 x 60 x 10	14.5	Ball	150	1.8	UL/CUL/TUV/CE	32	11"	8.95	7.95	6.95	6.25
1946025	Evercool R	EC6010M12CA	12	60 x 60 x 10	15.5	Ball	160	1.9	UL/CE/TUV	30	9" [1]	8.95	7.95	6.95	6.25
2131979	Adda R	AD0612HB-D71GL	12	60 x 60 x 15	16.6	Ball	130	1.56	UL/CSA/TUV/CE	32.4	5"	5.95	4.95	4.49	3.95
2121308	Adda R	AD0612HB-D70GL	12	60 x 60 x 15	16.6	Ball	130	1.56	UL/CSA/TUV/CE	32.4	11" w/ conn	6.95	5.95	4.95	3.95
687771	Sunon	KDE1206PHS1	12	60 x 60 x 15	21	Sleeve	150	1.8	UL/CSA/TUV/CE	36	11"	3.95	3.49	2.95	2.49
2167568	Sunon R	ME60151V1-0000-A99	12	60 x 60 x 15	25.2	Vapo	160	1.92	UL/TUV/CE	36.2	12"	9.95	8.95	7.95	6.95
144161	Adda R	AD0612LB-C70GL	12	60 x 60 x 20	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	12"	9.95	8.95	7.95	6.95
2133982	Adda R	AD0612LS-C70(GL)	12	60 x 60 x 20	13.3	Sleeve	80	0.96	UL/CSA/TUV/CE	21.6	12"	3.95	3.49	2.95	2.49
2134002	Adda R	AD0612MS-C70GL	12	60 x 60 x 20	14.5	Sleeve	130	1.56	UL/CSA/TUV/CE	25.7	12"	4.95	4.49	3.95	3.49
2134011	Adda	AD0612MX-C70GL	12	60 x 60 x 20	14.5	Hypro	130	1.56	UL/CSA/TUV/CE	25.7	12"	4.95	4.49	3.95	3.49
1928126	Adda	AD0612HB-C70GL	12	60 x 60 x 20	16.3	Ball	160	1.92	UL/CSA/TUV/CE	31	12"	4.95	3.95	3.49	2.95

[1] 3 leads; speed sensor   [2] 3 leads; locked rotor protection   (All fans operate to their specs with or without the additional optional wire functions)
For case mounting screws, P/Ns 2188481 or 2188490, page 81

Fans (side tab)

Senior Buyer

"I don't know what they would do without me! I enjoy making my co-workers laugh."

27 Years of Service

BRUCE

AC/AC TUBEAXIAL FANS — BEST SELLERS

Part No.	Voltage	Size (mm)	Page	Price
300557	120VAC	80 x 80 x 25	92	$13.95
2125931	120VAC	120 x 120 x 38	92	10.95
2151072	120/220VAC	120 x 120 x 38	92	12.95
355630	220VAC	80 x 80 x 38	92	16.95
2133801	220VAC	120 x 120 x 38	92	8.95

2125931

DC Brushless Tubeaxial Fans & Blowers (Continued)

Call for additional OEM PRICING – we carry major manufacturers.

★ *12V Web Code: LBZ*

NEW MARKED IN PINK

2099446 1585477 1809995

mm to Inches Conversion Chart

mm	6	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	70	75	76	80	92	94	95	97	120	125	126	127	150	172
Inches	0.24	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.76	2.95	2.99	3.15	3.63	3.70	3.74	3.82	4.72	4.92	4.96	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
2120073	Sunon℞	KD1206PKB2(2)F.GN	12	60 x 60 x 20	19	Dual ball	88	1.1	UL/CUL/TUV	29	12" [1]	$6.95	$6.25	$5.59	$4.95
2155292	Comair Rotron	GDA6025-12BB	12	60 x 60 x 25	18	Ball	140	1.7	UL/CUL/TUV	26.1	12"	7.95	6.95	6.25	5.95
1810101	Japan Servo	TUDC12Z4F-022	12	60 x 60 x 25	19	Ball	140	1.8	UL/CSA/TUV	32	5" w/ conn	4.95	3.95	3.49	2.95
2162847	NMB	2410ML-04W-B30	12	60 x 60 x 25	19	Ball	120	1.4	UL/CSA/VDE/CE	29	12"	7.95	6.95	6.25	5.59
2205149	Sunon℞	MB60251V2-000U-G99	12	60 x 60 x 25	19.3	Vapo	70	0.8	UL/CUL/CE/TUV	29	12" [1]	9.95	8.95	7.95	6.95
2095197	Delta	DFB0612H	12	60 x 60 x 25	19.4	Ball	120	1.4	UL/CE/CSA/VDE	30	12"	6.95	6.25	5.59	4.95
102947	Jamicon	JF0625S1H	12	60 x 60 x 25	20.5	Sleeve	230	2.7	UL/CUL/TUV	33.6	12"	5.95	5.49	4.95	3.95
150422	Jamicon℞	JF0625B1H	12	60 x 60 x 25	21.4	Ball	230	2.7	UL/CSA/TUV	30.5	10"	8.95	7.95	6.95	6.25
2186179	Sunon	KDE1206PTS1	12	60 x 60 x 25	22.5	Sleeve	150	1.9	UL/CUL/TUV	33.5	3" w/ conn	4.95	4.49	3.95	3.59
2133974	Adda	AD0612HX-A70GL	12	60 x 60 x 25	23.2	Hypro	230	2.76	UL/CSA/TUV/CE	32.3	12"	6.95	6.25	5.59	4.95
2150766	Adda℞	AD0612HB-A72GL	12	60 x 60 x 25	23.2	Ball	230	2.7	UL/CUL/TUV/CE	32.3	12" [2]	7.95	6.95	5.95	4.95
2158451	Sunon℞	EB60251S1-0000-999	12	60 x 60 x 25	23.5	Sleeve	156	1.6	UL/CUL/TUV	33.5	12"	8.95	7.95	6.95	6.25
2162839	EBM Papst	TYP612	12	60 x 60 x 25	24	Ball	210	2.5	UL/CSA/TUV	40	12"	9.95	8.95	7.95	6.95
2099526	Adda℞	AD0612XB-A74GL	12	60 x 60 x 25	31.4	Ball	380	4.56	UL/CSA/TUV/CE	42.9	12" [4]	5.95	4.95	4.49	3.49
2158311	Delta℞	AFB0612EH-BF00	12	60 x 60 x 25	38.35	Ball	480	5.76	UL/CSA/CE	46.5	8" w/ conn	11.95	10.95	9.95	8.95
2125561	AVC	DE07015R12U	12	70 x 70 x 15	43	Hydraulic	700	8.4	UL/CE/TUV	46	8" w/ conn	5.95	4.95	3.95	2.95
2099446	Adda℞	AD7512LB (2A)†	12	76 x 76 x 30	6.9	Ball	110	1.32	UL/CUL/TUV/CE	29	15" w/ conn [2]	5.95	4.95	3.95	2.95
2192561	Adda℞	AD0812LB-D70(T)	12	80 x 80 x 15	20	Ball	90	1.08	UL/CSA/TUV	19.6	12"	7.95	6.95	5.95	5.49
2132007	Adda℞	AD0812HS-D70-LF	12	80 x 80 x 15	38.6	Sleeve	250	3.0	UL/CSA/TUV	33	12"	7.95	6.95	5.95	4.95
2095365	Adda℞	AD0812XX-D71	12	80 x 80 x 15	39.4	Hypro	350	4.2	UL/CSA/TUV	42	11"	8.95	7.95	6.95	5.95
2134037	Adda	AD0812MS-C70	12	80 x 80 x 20	23.1	Sleeve	160	1.92	UL/CSA/TUV	25.4	11"	8.95	7.95	6.95	5.95
141921	Adda℞	AD0812HB-C70	12	80 x 80 x 20	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	10.95	9.95	8.95	7.95
688597	NMB	3110GL-B4W-B19-PA1	12	80 x 80 x 25	24.7	Ball	70	1.2	UL/CSA/TUV/CE	22	12" w/ conn [1]	5.95	5.35	4.79	4.29
2205181	Delta℞	AFB0812M-F00	12	80 x 80 x 25	30.8	Ball	90	1.08	UL/CSA/CE	29.5	12" [1]	9.95	8.95	7.95	6.95
2151099	Sunon℞	KDE1208PTV3.13.MS.A.GN	12	80 x 80 x 25	31	Vapo	70	0.8	UL/CUL/TUV/CE	26	12"	7.95	6.95	5.95	5.49
123530	Adda℞	AD0812MS-A70GL	12	80 x 80 x 25	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	7.95	6.95	6.25	5.59
1955010	NMB	3110KL-04W-B40	12	80 x 80 x 25	35.3	Ball	200	2.40	UL/CSA/TUV/CE	31	13"	6.95	6.25	5.59	4.95
2131995	Adda℞	AD0812HS-A76GL-LF	12	80 x 80 x 25	38.6	Sleeve	250	3.0	UL/CSA/TUV	33	12" [1]	4.95	3.95	2.95	2.49
2162812	Mechatronics	F8025H12B	12	80 x 80 x 25	39	Ball	145	1.75	UL/CUL/VDE	29	12"	4.95	4.49	3.95	3.59
2135697	Panaflo	FBM-08A12H	12	80 x 80 x 25	39.6	Sleeve	220	2.1	UL/CSA	32	12" w/ conn	5.95	4.95	4.49	3.95
2125835	Globe	B01138812H-3M	12	80 x 80 x 25	39.8	Ball	230	2.76	UL/CSA/TUV/CE	32.6	10" w/ conn [1]	3.95	3.49	2.95	2.49
1585477	Sunon	KD1208PTS1-13	12	80 x 80 x 25	40	Sleeve	160	1.9	UL/CUL/TUV	33	12"	5.95	5.35	4.79	4.49
2205157	ValuePro℞	RD8025B12N30	12	80 x 80 x 25	40.2	Dual Ball	140	1.7	UL/CUL/TUV	35.4	12"	8.95	7.95	6.95	6.25
1708490	Sunon	KDE1208PTB1-13.MS(2)A	12	80 x 80 x 25	41	Dual Ball	150	1.8	UL/CUL/TUV	35	12"	5.95	4.95	4.49	3.95
206181	Sunon	KDE1208PTS1-6	12	80 x 80 x 25	42	Sleeve	220	2.6	UL/CSA/TUV	34	9" w/ conn	7.95	6.95	6.25	5.59
102955	Sunon	KD1208PTB1-6(OC)	12	80 x 80 x 25	42.5	Ball	220	2.6	UL/CUL/TUV	36.5	3.5"	4.95	4.49	3.95	3.49
249148	Sunon	KDE1208PTB1-6(OC)	12	80 x 80 x 25	42.5	Ball	220	2.6	UL/CUL/TUV	36.5	7"	5.95	4.95	3.95	3.49
323897	Mechatronics℞	F8025E12BFS	12	80 x 80 x 25	46	Ball	240	3.5	UL/CSA/TUV	35	12"	6.95	6.25	5.59	4.95
1809995	Sunon	KDE1208PTBX-6A(318)	12	80 x 80 x 25	50.6	Ball	360	4.3	UL/CUL/TUV	40.5	12"	7.95	7.49	6.95	6.49
2081078	Jamicon℞	JF0825B1UR	12	80 x 80 x 25	52	Dual Ball	370	4.4	UL/CSA/TUV	40	12"	9.95	8.95	7.95	7.49
2151081	Sunon℞	PMD1208PTB1-A(2).GN	12	80 x 80 x 25	60	Dual Ball	400	4.8	UL/CUL/TUV	47	12"	10.95	9.95	8.95	7.95
2209001	Sanyo Denki℞	9GV0812P4K03	12	80 x 80 x 25	74.8	Ball	870	10.4	UL/CUL/TUV	52	12" [5]	14.95	13.95	12.95	11.95
107406	EBM Papst	8312GHL	12	80 x 80 x 32	39.4	Sleeve	330	4.0	UL/CE/CSA/VDE	43	12"	6.95	5.95	4.95	3.95
1952783	Nidec	TA350DC-M34138-34	12	92 x 92 x 25	35	Ball	160	1.92	UL/CSA	26.4	10" w/ conn [3]	4.95	4.49	3.49	2.95
1952257	AVC	C9025S12L	12	92 x 92 x 25	37.2	Sleeve	150	1.8	UL/CUL/TUV/CE	26.2	5.5" [1]	3.95	3.49	2.95	2.49

[1] 3 leads; speed sensor [2] 3 leads; locked rotor protection [3] 4 leads; wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard
[4] Thermocoupler [5] 4 leads with speed sensor, PWM control (All fans operate to their specs with or without the additional optional wire functions) † Blower
For case mounting screws, P/Ns 2188481 or 2188490, page 81

Fans

FAN GUARDS & ALUMINUM WASHABLE FILTERS — BEST SELLERS

See page 91

Part No.	Description	Price
123502	40mm metal chrome	$.59
120038	60mm metal chrome	.65

123502 31924 *Great Value!*

Part No.	Description	Price
31924	80mm metal chrome	$.69
25735	120mm metal chrome	.79

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Tubeaxial Fans & Blowers (Continued)

★ *12V Web Code: LBZ*   ★ *24V Web Code: QEF*

2134408   2197564   2134029

Fans

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	1	10	50	100
1952880	Nidec	TA350DC-M33422-57G4	12	92 x 92 x 25	48	Ball	290	3.48	UL/CSA	35	10" w/ conn[4]	$4.95	$3.95	$2.95	$2.49
154641	Nidec	TA350DC-M33422-16	12	92 x 92 x 25	48	Ball	290	3.5	UL/CSA	43	12"	9.95	8.95	7.95	6.95
2115565	Sunon ℛ	KD1209PTS1.13.GN	12	92 x 92 x 25	49	Sleeve	160	1.9	UL/CUL/TUV/CE	34	11"	4.95	4.49	3.95	3.49
2138994	Adda ℛ	AD0912UB-A71GL	12	92 x 92 x 25	60	Ball	390	4.68	UL/TUV/CE	39.4	50"	8.95	7.95	6.95	5.95
2172711	Mechatronics ℛ	MC9238X12B-FS	12	92 x 92 x 38	80.5	Ball	720	8.6	UL/CUL/TUV	47.5	12"	9.95	8.95	7.95	6.95
2134408	Adda	AB0912MB-Z01†	12	94 x 94 x 33	29.8	Ball	900	10.8	UL/CUL/TUV/CE	51.5	10" w/conn	10.95	9.95	8.95	7.95
174140	Common Wealth	FP108MS3	12	120 x 120 x 25	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	9.95	8.95	7.95	6.95
227901	Common Wealth	FP-108M-S1-B	12	120 x 120 x 25	80	Ball	330	4.0	UL/CSA/VDE/CE	42	12"	11.95	10.95	9.95	8.95
2134053	Adda ℛ	AD1212MB-A78GL	12	120 x 120 x 25	80.5	Ball	330	3.96	UL/CUL/TUV/CE	38	11" [1]	10.95	9.95	8.95	7.95
363848	Mechatronics	E1225H12B	12	120 x 120 x 25	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	7.95	6.95	6.25	5.59
1952231	Turbofan	TA1225E12BS	12	120 x 120 x 25	93	Ball	580	7.0	UL/CSA/TUV	44	13"	6.95	5.95	4.95	3.95
1928011	Adda	AD1212US-A71GL	12	120 x 120 x 25	98.6	Sleeve	500	6.0	UL/CUL/TUV/CE	39.1	2" w/ conn	6.95	5.95	4.95	3.95
2081705	ValuePro	1225H12B-PF1	12	120 x 120 x 25	119	Ball	800	9.6	UL/CUL/TUV/CE	47.5	21" w/ conn[1]	11.95	10.95	9.95	8.95
2082151	Comair Rotron	MC12B3QDN	12	120 x 120 x 32	102	Ball	660	7.9	UL/CSA/CE	47.8	12" [2]	6.95	5.95	4.95	4.49
868109	Comair Rotron ℛ	MC12B7	12	120 x 120 x 32	102	Ball	660	7.9	UL/CUL/TUV/CE	47.9	12"	7.95	6.95	5.95	4.95
2134045	Adda	AD1212LB-F51	12	120 x 120 x 38	72.3	Ball	240	2.88	UL/CUL/TUV/CE	32.9	11"	9.95	8.95	7.95	6.95
2155057	Sanyo Denki ℛ	109R1212M102	12	120 x 120 x 38	81	Ball	240	4.6	UL/CSA/TUV	36	12"	8.95	7.95	6.95	5.95
2173079	Sunon ℛ	EEC0381B2-0000-A99	12	120 x 120 x 38	108	Ball	421	5.1	UL/CUL/TUV/CE	44	12"	14.95	13.95	12.95	11.95
1952791	NMB	4715KL-04W-B46	12	120 x 120 x 38	118	Ball	900	8.4	UL/CSA/TUV/CE	47	6" w/ conn[2]	7.95	6.95	6.25	5.59
2197564	T&T	MWP1238M12B	12	120 x 120 x 38	119.6	Dual Ball	700	8.4	UL/TUV	42.6	12" w/ conn	10.95	9.95	8.95	7.95
2197716	Thermactive ℛ	RGH1238-B1-FG	12	120 x 120 x 38	226	Ball	3600	43.2	UL/CUL/CE	65	12" [1]	21.95	19.49	16.95	14.95
1928281	Adda ℛ	AD0424HB-G70	24	40 x 40 x 10	6.7	Ball	90	2.16	UL/CUL/TUV/CE	25	7" w/ conn	10.95	9.95	8.95	7.95
2133931	Adda	AD0424HB-G73	24	40 x 40 x 10	6.7	Ball	90	2.16	UL/CUL/TUV/CE	25	12" [1]	9.95	8.95	7.95	6.95
2158514	Sunon ℛ	MB40202V2-0000-A99	24	40 x 40 x 20	7.7	Vapo	33	2.16	UL/CUL/TUV/CE	21	12"	9.95	8.95	7.95	6.95
2133940	Adda	AD0424UB-C56	24	40 x 40 x 20	11	Ball	90	2.16	CE	31.9	11" [2]	8.95	7.95	6.95	5.95
1708422	Sunon	KDE2406PHS3	24	60 x 60 x 15	15	Sleeve	50	1.2	UL/CUL/TUV/CES	31	12"	7.95	6.95	6.25	5.59
687818	Sunon	KDE2406PHB2	24	60 x 60 x 15	18	Ball	56	1.3	UL/CUL/TUV/CE	31	11"	9.95	8.95	7.95	6.95
2188588	Sunon ℛ	ME60152V2-0000-A99	24	60 x 60 x 15	21.9	Vapo	85	2.04	UL/CUL/TUV/CE	32.5	12"	10.95	9.95	8.95	7.95
2134029	Adda	AD0624MB-C70GL	24	60 x 60 x 20	14.5	Ball	80	1.92	UL/CUL/CE	25.7	12"	5.95	5.39	4.79	4.39
212652	Delta/Fonsan	DFD0624H	24	60 x 60 x 20	17.7	Ball	100	2.4	UL/CE/CSA/TUV	30	12"	5.95	4.95	4.49	3.95
1951191	Sunon ℛ	KDE2406PKV2MS.AGN	24	60 x 60 x 20	18.5	Vapo	90	1.1	UL/CE	27.5	11"	5.95	5.39	4.79	4.25
189861	Jamicon ℛ	JF0625B2M	24	60 x 60 x 25	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	8.95	7.95	6.95	6.25
2081799	Nidec	TA225DC-M33516-16	24	60 x 60 x 25	25	Ball	180	4.3	UL/CSA	37	12"	6.95	5.95	4.95	4.49
1928071	Adda	AD0624HB-A70GL	24	60 x 60 x 25	25	Ball	150	3.6	UL/CSA/TUV/CE	33.9	12"	8.95	7.95	6.95	6.25
2138687	Cooltron ℛ	FD8025B24W3-68-2NU	24	80 x 80 x 25	18.8	Dual Ball	40	1.0	UL/CUL/TUV	15.1	6" w/ conn	7.95	6.95	5.95	4.95
290029	Jamicon ℛ	JF0825B2M	24	80 x 80 x 25	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	9.95	8.95	7.95	6.95
136161	Jamicon ℛ	JF0825B2H	24	80 x 80 x 25	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.95	8.95	7.95	6.95
2158565	Sunon ℛ	EE80252B1-0000-A99	24	80 x 80 x 25	41	Ball	73	1.8	UL/CUL/TUV	33	12"	9.95	8.95	7.95	6.95
1928388	Adda	AD0824UB-A72GL	24	80 x 80 x 25	50	Ball	260	6.24	UL/CUL/CE	41	12" [2]	10.95	9.95	8.95	7.95
2134150	Adda	AQ0824UB-A71GL*	24	80 x 80 x 25	50	Ball	260	6.24	CE	41	12"	9.95	8.95	7.95	6.95
1580422	EBM Pabst ℛ	8314/12H	24	80 x 80 x 32	47	Ball	270	6.4	UL/CUL/CSA/VDE	48	11" w/ conn[1]	6.95	5.95	4.95	3.95
206965	Sunon	PMD2408PMB2-A	24	80 x 80 x 38	74.5	Ball	300	7.2	UL/CUL/CSA/VDE	52	12"	10.95	9.95	9.49	8.95
1951051	Mechatronics	E9225L24B1-FS	24	92 x 92 x 25	35	Ball	85	2.04	UL/CUL	27	12" [1]	4.95	3.95	2.95	2.49

[1] 3 leads; speed sensor   [2] 3 leads; locked rotor protection   [4] Temperature sensor   (All fans operate to their specs with or without the additional optional wire functions)
* Waterproof   † Blower   For case mounting screws, P/Ns 2188481 or 2188490, page 81

AC/AC TUBEAXIAL FANS — NEW ARRIVALS

Part No.	Description	Price
2197687	120VAC, 120x120x38mm, 12" leads, 111 CFM ...	**$13.95**
2197695	120VAC, 120x120x38mm, terminals, 91 CFM	**11.95**
2205392	120VAC, 120x120x38mm, 12" leads, 80 CFM	**11.95**
2205405	120VAC, 120x120x38mm, terminals, 80 CFM	**11.95**

2197687   2179454

Part No.	Description	Price
1707163	120VAC, 120x120x38mm, 12" leads, 107 CFM ...	**$15.95**
2197441	120VAC, 120x120x38mm, 12" leads, 110 CFM	**12.95**
2133801	220VAC, 120x120x38mm	**8.95**
2205624	220VAC, 172x150x51mm	**49.95**

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

ebmpapst **Nidec** **ThermActive**

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Tubeaxial Fans & Blowers (Continued)

★ **24V Web Code: QEF**   ★ **48V Web Code: MAJ**

NEW MARKED IN PINK

297959   **1952775**   **2162855**

mm to Inches Conversion Chart

mm	6	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	70	75	76	80	92	94	95	97	120	125	126	127	150	172
Inches	0.24	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.76	2.95	2.99	3.15	3.63	3.70	3.74	3.82	4.72	4.92	4.96	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
2155065	Delta ℛ	AFB0924H-R00	24	92 x 92 x 25	51.2	Ball	100	2.4	UL/CSA/CE	34	12" [2]	$8.95	$7.95	$6.95	$5.95
2158303	Sunon ℛ	EE92252B1-0000-A99	24	92 x 92 x 25	51.5	Dual Ball	87	2.1	UL/CE/TUV	34	12"	11.95	10.95	9.95	8.95
1951465	Delta	FFB0924VHE	24	92 x 92 x 38	85	Ball	280	6.7	UL/CSA/VDE/CE	47	12"	9.95	8.95	7.95	6.95
2115557	Sunon ℛ	KD2412PTB3-6A.GN	24	120 x 120 x 25	69	Ball	120	2.9	UL/CUL/TUV/CE	35.5	12"	8.95	7.95	6.95	5.95
1951115	Nidec	TA450DC-A34350-16	24	120 x 120 x 25	92	Ball	180	4.32	UL/CSA	40.4	10"	10.95	9.95	8.95	7.95
2197556	Coolmax ℛ	1225M24B-ZD1	24	120 x 120 x 25	103.8	Dual Ball	300	7.2	UL/TUV	42.5	6" w/ conn	11.95	10.95	9.95	8.95
694524	Jamicon ℛ	JF1238B2MR-R	24	120 x 120 x 38	101.3	Ball	220	5.28	UL/CSA/TUV/CE	39.1	9"	15.95	14.95	13.95	12.49
2134061	Adda	AD1224HS-F51	24	120 x 120 x 38	104.8	Sleeve	320	7.68	UL/CSA/TUV/CE	42.8	10.5"	8.95	7.95	6.95	5.95
1809910	Sunon	KD2412PMSX-6A	24	120 x 120 x 38	119	Sleeve	300	7.2	UL/CUL/TUV/CE	45	12"	8.95	7.95	6.95	5.95
2197433	EMB Pabst ℛ	4214NHHR	24	120 x 120 x 38	120.7	Ball	313	7.5	UL/CSA/CE	49	12"	17.95	15.95	13.49	11.95
2197724	ThermActive ℛ	RGH1238B2-FG	24	120 x 120 x 38	226	Ball	1700	40.8	UL/CUL/CE	65	12" [1]	24.95	22.49	18.95	15.95
297959	Delta	BFB1224HE †	24	125 x 126 x 34	27.2	Ball	340	8.1	UL/CE/CSA/TUV	50.5	12"	8.95	7.49	5.95	4.95
2197708	ThermActive ℛ	RDL1725B2-5T	24	172 (Dia.) x 51 (H)	235	Ball	950	22.8	UL/CUL	56	Terminals	49.95	44.95	39.95	34.95
2135371	Adda ℛ	AD0948MB-F91DS(M)	48	92 x 92 x 38	93.5	Dual ball	130	6.24	UL/CE	48.5	12"	13.95	12.95	11.95	10.49
1952775	Orion	OD1232-48HB	48	120 x 120 x 32	120	Ball	180	8.6	UL/TUV/CE	51	12" [3]	7.95	6.95	5.95	4.95
2132023	Adda ℛ	AD1248HB-F51-LF	48	120 x 120 x 38	105	Ball	200	9.6	UL/CUL/TUV/CE	42.8	12"	10.95	10.49	8.95	7.95
2134352	Adda	AD1348HB-F53	48	127 x 127 x 38	161	Ball	230	11	UL/CUL/TUV/CE	53	11" [1]	10.95	10.49	8.95	7.95
1954711	Delta	EFB1348HHE-SV06	48	127 x 127 x 38	185	Ball	360	17.28	UL/CSA/VDE/CE	55.5	26" [1]	7.95	6.95	6.25	5.59
2162871	EBM Papst	5318/2TDH4P	48	140 x 140 x 51	394	Ball	3000	144	UL	79	10" w/ conn[3]	14.95	13.49	11.95	10.95
2162855	EBM Papst	6248M	48	172 (Dia.) x 51 (H)	206	Ball	240	11.5	UL/CSA/TUV	50	Terminals	29.95	26.95	23.95	19.95

[1] 3 leads; speed sensor   [2] 3 leads; locked rotor protection   [3] 4 Leads wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard
(All fans operate to their specs with or without the additional optional wire functions)   † Blower
For case mounting screws, P/Ns 2188481 or 2188490, page 81

Fan Guards & Aluminum Washable Filters

★ **Web Code: UAR**

• Guards and filters fit all fans. Please match by size dimension.
  Example: P/N 300557 fan (80mm) matches P/N 31924 metal guard (80mm).

Fig. 1   **Fig. 2**   **Fig. 3**

Fig. 4

Fig. 5

Fig. 6

Part No.	mm	Description	Fig.	1	10	50	100
123502	40	Metal (chrome) guard ℛ	1	$.59	$.55	$.49	$.45
120038	60	Metal (chrome) guard ℛ	1	.65	.59	.55	.49
687666	60	Metal (black anodized) guard ℛ	2	.85	.79	.75	.69
31924	80	Metal (chrome) guard ℛ	1	.69	.65	.59	.55
1928433	80	Metal (black anodized) guard	2	.79	.69	.65	.59
123511	92	Metal (chrome) guard ℛ	1	.75	.69	.65	.59
2135689	92	Metal (black anodized) guard ℛ	2	.69	.59	.55	.49
25735	120	Metal (chrome) guard ℛ	1	.79	.75	.69	.65
695068	120	Metal (black anodized) guard	2	1.09	.99	.89	.79
695076	127	Metal (chrome) guard	1	.49	.45	.39	.35
1952290	80	Plastic guard only	3	.69	.65	.59	.55
1952661	92	Plastic guard only	3	.69	.65	.59	.55

Part No.	mm	Description	Fig.	1	10	50	100
1952679	120	Plastic guard only ℛ	3	$.89	$.79	$.69	$.65
1952687	150	Plastic guard only	3	.79	.69	.59	.55
1952695	40	Plastic guard w/ mesh	4	1.59	1.49	1.35	1.25
1952708	60	Plastic guard w/ mesh ℛ	5	1.65	1.49	1.39	1.29
2158135	80	Plastic guard w/ mesh ℛ	4	1.49	1.35	1.19	1.09
138562	80	Plastic guard w/ mesh (clip) ℛ	5	1.79	1.69	1.59	1.45
229665	92	Plastic guard w/ mesh ℛ	4	1.75	1.65	1.39	1.25
196817	120	Plastic guard w/ mesh ℛ	4	2.19	2.09	1.95	1.79
1952716	172	Plastic guard w/ mesh	4	1.95	1.59	1.35	1.19
138580	80	Alum. washable filter ℛ	6	2.25	1.95	1.79	1.59
1952732	92	Alum. washable filter	6	1.95	1.79	1.59	1.35
130105	120	Alum. washable filter ℛ	6	3.49	3.15	2.75	2.49

AC/DC BRUSHLESS TUBEAXIAL FANS — BEST SELLERS

Part No.	Voltage	Size (mm)	Page	Price
131247	5VDC	25 x 25 x 10	87	$9.95
2131928	5VDC	40 x 40 x 10	87	4.95
2167234	12VDC	40 x 40 x 10	88	7.95
2167568	12VDC	60 x 60 x 15	88	9.95

2188676   **2179454**

Part No.	Voltage	Size (mm)	Page	Price
123530	12VDC	80 x 80 x 25	89	$7.95
2173079	12VDC	120 x 120 x 38	90	14.95
2158565	24VDC	80 x 80 x 25	90	9.95
694524	24VDC	120 x 120 x 38	91	15.95

★ **For additional products, availability and specifications, visit Jameco.com and enter the Web Code in the product search box.**

3 LEVELS OF SAVINGS
NAME BRANDS **HOUSE BRANDS** **SPECIAL BUY**

Fans

ADDA

COMMONWEALTH ™

Call for additional OEM PRICING – we carry major manufacturers.

120 & 220VAC Tubeaxial Fans

NEW MARKED IN PINK

★ Web Code: ABJ

212600   206309   2129588   209365

mm to Inches Conversion Chart

mm	6	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	70	75	76	80	92	94	95	97	120	125	126	127	150	172
Inches	0.24	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.76	2.95	2.99	3.15	3.63	3.70	3.74	3.82	4.72	4.92	4.96	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VAC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection	Pricing 1	10	50	100
213867	Fulltech℞	UF60D11BWH	120	60 x 60 x 30	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	$17.95	$16.49	$15.95	$14.49
146078	Common Wealth℞	FP108AX-S1-B	120	80 x 80 x 25	23	Ball	180	14	UL/CE	29	12" leads	15.95	14.49	12.95	11.95
300557	Fulltech℞	UF80B11SWH	120	80 x 80 x 25	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	13.95	12.95	11.95	10.95
300258	Fulltech℞	UF80B11BTH	120	80 x 80 x 25	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	14.95	13.95	12.95	11.95
300600	Fulltech℞	UF80A11BWH	120	80 x 80 x 38	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	15.95	14.49	12.95	11.49
300389	Fulltech℞	UF80A11BTH	120	80 x 80 x 38	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	15.95	14.49	12.95	11.49
303467	Sunon℞	SF11592A-1092HBL.GN	120	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	10.95	9.95	8.95	7.95
75460	Sunon℞	SF11592A-1092HBT-R	120	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	12.95	11.95	10.95	9.95
2131830	Adda℞	AA1251MB-AT-LF	120	120 x 120 x 25	69.4	Ball	190	19.6	UL/CSA/TUV/CE	38.7	Terminals	9.95	8.95	7.95	6.95
1819376	NMB℞	4710PS12TB30A00	120	120 x 120 x 25	70.6	Ball	190	11	UL/CSA/VDE/CE	38	Terminals	10.95	9.95	8.95	7.95
1810048	Sunon℞	SP101AT-1122HBL.GN	120	120 x 120 x 25	78	Ball	180	18	UL/CUL/TUV/CE	46	12" leads	16.95	14.95	13.49	11.95
124063	Sunon℞	SP101AT-1122HBT	120	120 x 120 x 25	78	Ball	180	18	CSA/TUV/CE	46	Terminals	16.95	14.95	13.49	11.95
303361	Fulltech℞	UF12A11BTL1	120	120 x 120 x 38	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	14.95	13.49	11.95	10.95
2205392	Adda℞	AA1281MB-AW	120	120 x 120 x 38	80	Ball	250	15.8	UL/CUL/TUV/CE	40	12" leads	11.95	10.95	9.95	8.95
2205405	Adda℞	AA1281MB-AT	120	120 x 120 x 38	80	Ball	250	15.8	UL/CUL/TUV/CE	40	Terminals	11.95	10.95	9.95	8.95
2197695	ThermActive℞	SAL1238B3A-T	120	120 x 120 x 38	91	Ball	200	13	UL/CUL/CE	40	Terminals	11.95	10.95	9.95	8.95
106586	Common Wealth℞	FP108-1-S1/T	120	120 x 120 x 38	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	12.95	11.95	10.95	9.95
2155049	U.S Toyo℞	TAC12038115HT	120	120 x 120 x 38	105	Ball	180	17	UL/CSA/CE	47	Terminals	8.95	7.95	6.95	5.95
16935	Common Wealth℞	FP108-1-S1-B/T	120	120 x 120 x 38	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	15.95	14.49	12.95	11.49
212600	Fulltech℞	UF12A11BWH	120	120 x 120 x 38	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	15.95	14.49	12.95	11.49
1707163	Sunon℞	SP101A-1123HBL-GN	120	120 x 120 x 38	107	Ball	180	18	UL/CSA/TUV	50	12" leads	15.95	14.49	12.95	11.49
206309	Adda℞	AA1281UB-AT	120	120 x 120 x 38	107	Ball	230	24	UL/CUL/CE	48	Terminals	14.95	13.49	10.95	9.95
2197441	Orion℞	OA109AP-11-1WB	120	120 x 120 x 38	110	Ball	220	15	UL/CUL	37	12" leads	12.95	11.95	10.95	9.49
2197687	ThermActive℞	SAH1238B3A-L	120	120 x 120 x 38	111	Ball	300	24	UL/CUL/CE	44	12" leads	13.95	12.95	11.49	10.95
2125931	Common Wealth℞	FP108-1	120	120 x 120 x 38	112	Ball	250	19	UL/CUL/TUV/CE	45	Terminals	10.95	9.95	8.95	7.95
102884	Sunon℞	SP100A-1123XBT	120	120 x 120 x 38	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	17.95	15.95	14.49	12.95
2129588	Common Wealth℞	FP108-1	120	120 x 120 x 38	120	Ball	250	19	UL/CSA/CE	45	Terminals	12.95	11.95	10.95	9.95
189684	Fulltech℞	UF15PC11BTH	120	172 x 150 x 51	226	Ball	250	30	CSA	58	Terminals	36.95	34.95	32.95	29.95
212582	Fulltech℞	UF15PC11BWH	120	172 x 150 x 51	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	36.95	34.95	32.95	29.95
1950956	Arctic℞	KEST-481BW	120	172 x 150 x 51	260	Ball	620	46	UL/CE/TUV	61	12" leads	38.95	36.95	34.49	31.95
100918	Sunon℞	SF23080A/2083HSL	220	80 x 80 x 38	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	15.95	13.95	12.49	10.95
355630	Fulltech℞	UF-80A23-BTH-R	220	80 x 80 x 38	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	16.95	14.95	13.49	11.95
209365	Bi-Sonic	4C-230LB	220	120 x 120 x 38	63	Ball	60	9	TUV/CE	34	10" leads	8.95	7.95	7.49	6.95
2133801	Adda℞	AA1282DB-AT	220	120 x 120 x 38	74.7	Ball	60	8.0	UL/CUL/TUV/CE	39.2	Terminals	8.95	7.95	6.95	6.25
1918761	Jamicon	KA1238H2B12	220	120 x 120 x 38	110	Ball	200	24	UL/CUL/TUV/CE	45	Terminals	10.95	9.49	8.95	7.95
2188676	Comair Rotron℞	GAA1238-230BB	220	120 x 120 x 38	111	Dual Ball	200	10	UL/CUL/TUV/CE	44	Terminals	13.95	12.95	11.95	10.49
303459	Sunon℞	DP200A-2123XBL	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	15.95	14.95	13.95	12.95
102892	Sunon℞	DP200A-2123XBT	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	17.95	15.95	14.49	12.95
2151072	Sunon℞	SF1212ADBL.GN*	120/220	120 x 120 x 38	95/115	Ball	270	21.5	UL/CUL/CE	47	12" leads	12.95	11.95	10.49	8.95
2145043	Adda℞	AX17512HB-C(AT)	220	172 x 150 x 51	240	Ball	160	34.5	UL/TUV/CE	56	Terminals	36.95	32.95	29.95	26.95
2205624	Adda℞	AK1752HB-LF(AT)	220	172 x 150 x 51	210	Ball	160	36.8	UL/CUL/TUV/CE	65	Terminals	49.95	44.95	39.95	34.95

*4 wire leads, dual voltage   For case mounting screws, P/Ns 2188481 or 2188490, page 81

JAMECO ValuePro

DC & AC Plug Fan Power Cords

★ Web Code: GAE

For Fans with Terminal Connection

Pigtail Fan Cord (A)   AC Plug Fan Cord (B)

Fig. 1 Straight   Fig. 2 45°   Fig. 3 90°
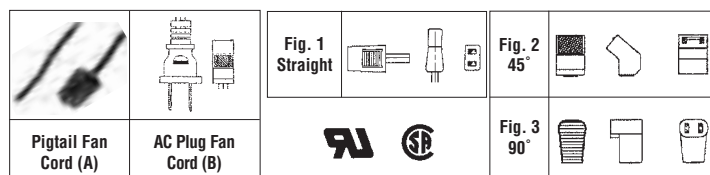
Part No.	Description	Fig.	Length	1	10	100	250
28564	Straight pigtail fan cord	1A	24"	$1.49	$1.25	$.99	$.89
2076658	Straight pigtail fan cord	1A	36"	1.25	.99	.79	.69
1952548	45° pigtail fan cord℞	2A	24"	1.59	1.35	1.09	.99
104192	90° pigtail fan cord℞	3A	24"	1.59	1.35	1.09	.99
1952572	Straight AC plug fan cord℞	1B	72"	3.95	3.59	3.19	2.49
1952581	45° AC plug fan cord℞	2B	72"	4.95	4.59	3.95	3.49

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

AC-to-AC Wall Adapters
Input: 120VAC @ 60Hz

Female | Male | Female Right Angle | Screw Terminals

★ *Web Code: ABQ*

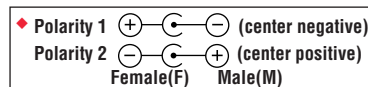NEW MARKED IN PINK

2082530   206439

We specialize in Wall Adapters – Call for additional OEM PRICING. We are happy to change any listed AC wall adapter power plug to a connector of your choice (see pg 101) for just $2.50 each. Overmolding also available @ $4.00 each. A 100 pc. minimum order applies.

Part No.	Manufacturer	Product No.	Output Rating Voltage (VAC)	Output Rating Current (mA)	Output Connector ID x OD mm Female/Male	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
2082521	ReliaPro	5-2634	5	400	1.7mm x 5.5mm right angle F	2.0 x 1.4 x 1.3	White	6'	0.4	UL/CSA	$2.25	$1.95	$1.59	$1.25
2082530	ReliaPro	5-2633	5	400	1.7mm x 5.5mm right angle F	2.0 x 1.4 x 1.3	Black	6'	0.4	UL/CSA	3.59	3.25	2.95	2.49
100061	ReliaPro℟	ACU090050	9	500	2.1mm x 5.5mm F	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
236814	ReliaPro	ACU090080	9	800	3.5mm M	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.95	7.95	6.95	5.95
1581281	ReliaPro	AA-091A	9	1000	2.1mm x 5.5mm F	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95
102234	ReliaPro℟	ACU090100	9	1000	2.1mm x 5.5mm F	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CUL	9.95	8.95	7.95	6.95
1586154	OEM	AA091A	9	1000	2.5mm x 5.5mm F	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	7.95	6.95	6.25	5.59
157041	ReliaPro	ACU090100E8942	9	1000	2.5mm x 5.5mm F	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	9.95	8.95	7.95	6.95
2167648	OEM	AA091A5	9	1500	2.1mm x 5.5mm F	2.4 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	9.95	8.95	7.95	6.49
320258	Ault	T48091500A010G	9	1500	2.5mm x 5.5mm F	2.6 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	6.49
112336	ReliaPro℟	ACU090150	9	1500	2.5mm x 5.5mm F	2.5 x 2.2 x 2.0	Black	6'	0.9	UL/CUL	10.95	9.95	8.95	7.95
101258	ReliaPro℟	ACU120050	12	500	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
2179614	ReliaPro	ACU120050R	12	500	2.5mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CUL	8.95	7.95	6.95	5.95
10081	ReliaPro	ACU120100J0920	12	1000	2.1mm x 5.5mm F	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	7.29
100167	ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm F	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	9.95	8.95	7.95	7.29
10428	ReliaPro	ACU120100Z9121	12	1000	3.5mm M	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	6.29
2167576	ReliaPro	AM-121200A	12	1200	2.1mm x 5.5mm right angle F	3.2 x 2.1 x 1.9	Black	6'	0.9	UL/CSA	8.95	7.95	6.95	6.29
167151	ReliaPro℟	ADU120150	12	1500	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	11.95	10.95	9.95	8.95
307838	ReliaPro℟	ADU120160H4120	12	1600	2.5mm x 5.5mm F	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	12.95	11.95	10.95	9.95
206404	MGElectronics	MGT1220	12	1670	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	—	0.9	UL	9.95	8.95	7.95	7.29
2197581	ReliaPro℟	GPU48120200WA00	12	2000	2.1mm x 5.5mm F	3.3 x 2.6 x 2.2	Black	6'	1.7	UL/CUL	14.95	13.49	11.95	10.49
2197847	ReliaPro℟	A71235DC	12	3500	Stripped & tinned **(Table-Top style)**	3.9 x 2.7 x 2.2	Black	6'	2.1	UL/CSA	15.95	14.95	13.49	11.95
2138978	ReliaPro	JOD-48U-12A	13.5	1000	1.3mm x 3.5mm F	2.8 x 2.2 x 1.9	Black	6'	0.6	UL/CUL	7.95	6.95	5.95	4.95
2082564	ReliaPro	GPU1355000	13.5	5000	2.1mm x 5.5mm F (Table-Top style)	4.7 x 3.2 x 2.5	Black	6'	2.4	—	12.95	11.49	10.95	9.49
171408	ReliaPro	ACU140050	14	500	2.1mm x 5.5mm F	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	9.95	8.95	7.95	6.95
318684	ReliaPro℟	ACU140085	14	850	2.5mm x 5.5mm right angle F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	11.95	10.95	9.95	8.95
100108	ReliaPro℟	ADU160100	16	1000	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	11.95	10.95	9.95	8.95
2082142	Ault	308-2018	18	900	Screw terminals	1.9 x 2.2 x 2.0	Beige	—	0.7	UL	5.95	4.95	3.49	2.95
121216	ReliaPro℟	ADU180100	18	1000	2.1mm x 5.5mm F	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	11.95	10.95	9.95	8.95
2179622	ReliaPro℟	AFU180200	18	2000	2.1mm x 5.5mm F	3.4 x 2.7 x 2.1	Black	6'	1.7	—	12.95	11.95	10.95	9.95
87581	ReliaPro	ADU240050	24	500	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
206439	MGElectronics	MGT2420	24	830	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	—	0.9	UL	10.95	9.95	8.95	7.95
140599	ReliaPro	ADU240100D5531	24	1000	2.1mm x 5.5mm F	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CUL	11.95	10.95	9.95	8.95
10102	ReliaPro℟	ADU240100E0461	24	1000	3.5mm M	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CUL	11.95	10.95	9.95	8.95
2100195	ReliaPro	GPU572401500WA00	24	1500	2.1mm x 5.5mm F	3.3 x 2.6 x 2.3	Black	6'	1.7	UL/CUL	14.95	13.49	11.95	10.95
2197548	ReliaPro℟	GPU572402000WA00	24	2000	2.1mm x 5.5mm F	3.3 x 2.6 x 2.2	Black	6'	1.7	UL/CUL	17.95	15.95	13.49	11.95
2205579	MG Electronics	MGT2450P	24	2100	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CUL	15.95	14.95	13.49	11.95

AC-to-DC Regulated Switching Wall Adapters

★ *Web Code: CDZ*

We specialize in Wall Adapters – Call for additional OEM PRICING. We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 101) for just $2.50 each. A 100 pc. minimum order applies. Overmolding also available @ $4.00 each. A 100 pc. minimum order applies.

◆ Polarity 1 (+) — (−) (center negative)
Polarity 2 (−) — (+) (center positive)
Female(F)   Male(M)

Female Straight | Female Right Angle | 2158549

Part No.	Manufacturer	Product No.	Output Rating Volt. (VDC)	Output Rating Current (mA)	Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50
2201957	Deer Computer℟	AD1505C	5	1000	2.5mm x 5.5mm F 2	100-240@47-63	2.8 x 1.4 x 2.1	Black	6'	0.3	UL/CUL/CE	$7.95	$6.95	$6.25
1940740	Mean Well℟ ⌁	GS12U05P1I	5	2000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	4'	0.3	UL/CUL/CEC	10.49	8.95	8.49
2138741	ReliaPro℟	CP0520	5	2000	2.5mm x 5.5mm F 1	100-240@47-63	3.0 x 1.1 x 1.6	Black	6'	0.4	UL/CUL/TUV	9.95	8.95	7.95
2138724	Jentec℟	AF1805A *	5	2500	2.1mm x 5.5mm right angle F 2	100-120 @ 50-60	2.4 x 1.9 x 1.1	Black	6'	0.3	UL/CUL/CEC	9.95	8.95	7.95
2158549	ReliaPro℟ ⌁	S15AA05025001 *	5	2500	2.5mm x 5.5mm right angle F 2	100-240@50-60	3.0 x 2.2 x 1.3	Black	6'	0.3	UL/CUL/CEC	11.49	10.49	9.49
1952863	Mean Well℟ ⌁	GS18U05-P1J	5	3000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CEC	11.95	10.95	9.95
2167664	Fairway	WN20U-050	5	3000	2.5mm x 5.5mm F 2	100-240@50-60	2.9 x 2.0 x 1.6	Black	6'	0.4	UL/CUL	9.95	8.95	7.95
2135451	CUI Inc℟ ⌁	EPS050400H-P5RP-FL*	5	4000	2.1mm x 5.5mm right angle F 2	90-132@47-63	3.3 x 2.0 x 1.5	Black	6'	0.4	UL/CUL/CEC	10.95	9.95	8.95
379623	Mean Well℟ ⌁	GS25U05-P1J	5	4000	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CEC	11.95	10.95	9.95
2082011	Friwo	MPA3U	6	400	2.1mm x 5.5mm right angle F 2	100-240@50-60	2.8 x 2.0 x 0.7	Black	6'	0.3	UL/CUL	3.95	3.49	2.95
2172931	ReliaPro℟ ⌁	EA1006BU*	9	660	2.1mm x 5.5mm F 1	100-240@50-60	2.1 x 1.4 x 1.0	Black	6'	0.1	UL/FCC/CEC	10.95	9.95	8.95
2158362	Fairway℟	TC10L-090*	9	1100	2.1mm x 5.5mm right angle F 2	100-240@50-60	2.4 x 1.7 x 1.1	Black	6'	0.2	UL/CUL	8.95	7.95	6.95
1940766	Mean Well℟ ⌁	GS12U09-P1I	9	1330	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	10.49	8.95	8.49
2179585	ReliaPro℟ ⌁	ADS-18C-12†*	9	2000	2.1mm x 5.5mm right angle F 2	100-240@50-60	2.8 x 2.0 x 1.3	Black	6'	0.4	UL/CUL/CEC	10.95	9.95	8.95
1952847	Mean Well℟ ⌁	GS18U09-P1J	9	2000	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	11.95	10.95	9.95
380140	Mean Well℟ ⌁	GS25U09-P1J	9	2780	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	11.95	10.95	9.95

†RFI filter on cord   *Slimline   ⌁ CEC

*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Power

Jameco carries the full line of Mean Well products. For additional Mean Well products visit www.Jameco.com/meanwellproducts

AC-to-DC Regulated Switching Wall Adapters (Continued)

★Web Code: CDZ

We specialize in Wall Adapters – Call for additional OEM PRICING.
We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 101) for just $2.50 each. A 100 pc. minimum order applies. Overmolding also available @ $4.00 each. A 100 pc. minimum order applies.

◆ Polarity 1 (+)——●——(−) (center negative)
◆ Polarity 2 (−)——●——(+) (center positive)
Female(F)   Male(M)

Female Straight | Screw Terminals

2179593
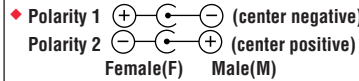
Part No.	Manufacturer	Product No.	Volt. (VDC)	Current (mA)	Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	1	10	50
2173124	ReliaPro ℛ ●	EA1030U†	9	3000	2.1mm x 5.5mm F 2	100-240@50-60	3.9 x 1.7 x 1.2	Black	6'	0.5	UL/CUL/CEC	$14.95	$13.49	$11.95
2121578	MG Electronics ℛ ●	ST-12500	12	500	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	UL/CUL/CEC	8.95	7.95	7.49
2151101	ReliaPro ℛ ●	CNR2260	12	500	2.1mm x 5.5mm F 2	100-240@50-60	3.6 x 2.0 x 1.3	Black	6'	0.3	UL/CUL/CEC	7.95	6.95	6.25
2129668	ELPAC ℛ	WM1012-760†*	12	800	2.5mm x 5.5mm F 2	100-120@50-60	2.8 x 1.6 x 1.1	Black	6'	0.3	UL/CUL	8.95	7.95	6.95
2121586	MG Electronics ℛ ●	ST-121A	12	1000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	UL/CUL/CEC	11.95	10.95	9.95
2197468	ReliaPro ℛ	S120S100B6*	12	1000	2.1mm x 5.5mm right angle F 2	100-240@50-60	2.9 x 1.8 x 1.2	Black	6'	0.3	UL/CUL/CEC	9.95	8.95	7.95
1940774	Mean Well ℛ ●	GS12U12-P1I	12	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	10.49	8.95	8.49
2179788	Westell ℛ ●	585-200085*	12	1500	2.5mm x 5.5mm F 2	100-240@50-60	2.9 x 2.1 x 1.4	Black	6'	0.4	UL/CUL/CEC	10.95	9.95	8.95
2179593	ReliaPro ℛ ●	ADS18C-121218†*	12	1500	2.1mm x 5.5mm right angle F 2	100-240@50-60	2.8 x 2.0 x 1.3	Black	6'	0.4	UL/CUL/CEC	10.95	9.95	8.95
1952855	Mean Well ℛ ●	GS18U12-P1J	12	1500	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.2	UL/CUL/CEC	11.95	10.95	10.49
2082134	MG Electronics ℛ ●	ST-122A	12	2000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.4	UL/CUL/CEC	14.95	13.49	11.95
2192739	Westell ℛ ●	585-200084*	12	2000	2.1mm x 5.5mm F 2	100-240@50-60	2.9 x 2.1 x 1.4	Black	6'	0.4	UL/CUL/CEC	10.95	10.49	9.95
380156	Mean Well ℛ ●	GS25U12-P1J	12	2080	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CEC	11.95	10.95	10.49
2173116	ReliaPro ℛ ●	EA1036U†	12	3000	2.1mm x 5.5mm F 2	100-240@50-60	3.9 x 1.7 x 1.2	Black	6'	0.6	UL/CUL/CEC	19.95	17.95	16.49
1952871	Mean Well ℛ ●	GS18U15-P1J	15	1200	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.4	Black	6'	0.4	UL/CUL/CEC	11.95	10.95	10.49
380173	Mean Well ℛ	GS25U15-P1J	15	1670	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	11.95	10.95	10.49
2173108	ReliaPro ℛ ●	EA1030CU†	15	2000	2.1mm x 5.5mm F 2	100-240@50-60	3.9 x 1.7 x 1.2	Black	6'	0.6	UL/CUL/CEC	14.95	13.95	12.49
380191	Mean Well ℛ ●	GS25U18-P1J	18	1380	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 1.2 x 1.3	Black	6'	0.5	UL/CUL/CEC	11.95	10.95	10.49
1940803	Mean Well ℛ ●	GS12U24-P1I	24	500	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	10.49	8.95	8.49
1952898	Mean Well ℛ ●	GS18U24-PIJ	24	750	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	11.95	10.95	10.49
2121594	MG Electronics ℛ ●	ST-241A	24	1000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	UL/CUL/CEC	12.95	11.95	10.95
1953698	ReliaPro ℛ	MPC2400107	24	1000	2.1mm x 5.5mm F 2	100-240@50-60	3.4 x 2.7 x 2.2	Black	6'	0.5	UL/CSA	14.95	13.49	11.95
1953671	ReliaPro ℛ	MPC-2400107	24	1000	2.5mm x 5.5mm F 2	120-240@50-60	3.4 x 2.7 x 2.2	Black	6'	0.5	UL/CSA	14.95	13.49	11.95
380202	Mean Well ℛ ●	GS25U24-P1J	24	1040	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	11.95	10.95	10.49
2173095	ReliaPro ℛ ●	EA1030DU†	24	1250	2.1mm x 5.5mm F 2	100-240@50-60	3.9 x 1.7 x 1.2	Black	6'	0.6	UL/CUL/CEC	14.95	13.95	12.49
2167613	MG Electronics ℛ	ST-242A	24	2000	Screw terminals	100-240@50-60	3.8 x 2.1 x 1.6	Black	—	0.3	—	15.95	14.95	13.95
380220	Mean Well ℛ ●	GS25U28-P1J	28	890	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.6	UL/CUL/CEC	11.95	10.95	10.49
2179391	ReliaPro ℛ ●	PA1024-360HU	36	670	2.5mm x 5.5mm F 2	90-264@47-63	2.7 x 1.8 x 1.3	Black	6'	0.5	UL/CUL/CEC	14.95	13.95	12.49
380244	Mean Well ℛ ●	GS25U48-P1J	48	520	2.1mm x 5.5mm F 2	100-240@50-60	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	11.95	10.95	10.49

†RFI filter on cord   *Slimline   ● CEC

AC-to-DC "Slim Line" Regulated Switching Wall Adapters

Output connector: 2.1mm x 5.5mm F2 (center positive)

Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips/surge protectors.

- 2-wire AC input
- Input voltage: 100 – 240VAC @ 47-63Hz
- Output cord length: 6'
- Color: black
- One-year warranty

★Web Code: CBQ

All are UL/CUL approved

We'll Brand the Adapters With Your Company Name Call 1-800-831-4242 for Details

Part No.	Manufacturer	Volt (VDC)	Curr. (mA)	Size (in.) (H x W x D)	Wt. (lbs.)	1	10	50	100
251565	ReliaPro ℛ ●	3.3	1500	2.5x1.1x1.7	0.2	$10.95	$9.95	$8.95	$7.49
251600	ReliaPro ℛ ●	3.3	2500	2.9x1.1x1.7	0.3	11.95	10.95	9.95	8.49
2173010	Phihong ℛ ●	5	400	1.9x1.4x0.9	0.1	7.95	6.95	6.25	5.95
252701	ReliaPro ℛ ●	5	500	2.9x1.1x1.7	0.3	10.95	9.95	8.95	7.95
2126125	OEM ●	5	800	1.9x1.6x0.9	0.1	7.95	6.95	6.25	5.95
1940660	Mean Well ℛ ●	5	1000	2.6x1.3x1.9	0.2	9.49	8.49	7.95	7.49
252720	ReliaPro ℛ ●	5	1000	2.5x1.1x1.7	0.2	8.95	7.95	7.49	6.95
252728	ReliaPro ℛ ●	5	1500	2.5x1.1x1.7	0.2	11.95	10.95	9.95	8.95
210894	ReliaPro ℛ ●	5	2000	2.9x1.4x2.2	0.2	12.95	11.95	10.95	9.95
252736	ReliaPro ℛ ●	5	2500	2.9x1.3x2.2	0.3	14.95	13.49	11.95	10.49
2082222	ReliaPro	5	3000	2.9x1.3x2.2	0.3	9.95	8.95	7.95	6.95
2145078	ReliaPro ℛ ●	6	500	2.5x1.7x1.1	0.3	9.95	8.95	7.95	6.95
1940678	Mean Well ℛ ●	7.5	800	2.6x1.3x1.9	0.2	9.49	8.49	7.95	7.49
252753	ReliaPro ℛ ●	9	500	2.5x1.1x1.7	0.2	10.95	9.95	8.95	7.95
1940686	Mean Well ℛ ●	9	660	2.6x1.3x1.9	0.2	9.49	8.49	7.95	7.49
1950841	ReliaPro ℛ ●	9	1000	2.5x1.1x1.7	0.2	12.95	11.49	9.95	8.95
252779	ReliaPro ℛ ●	9	1200	2.9x1.3x2.2	0.3	13.95	12.49	10.95	9.95

Part No.	Manufacturer	Volt (VDC)	Curr. (mA)	Size (in.) (H x W x D)	Wt. (lbs.)	1	10	50	100
252786	ReliaPro ℛ ●	9	1500	2.9x1.3x2.2	0.3	$15.95	$14.49	$12.95	$11.49
2173132	ReliaPro ℛ ●	9	2000	2.8x2.0x1.3	0.3	16.95	15.49	13.95	11.49
252795	ReliaPro ℛ ●	12	250	2.5x1.1x1.7	0.2	8.95	7.95	6.95	6.25
252808	ReliaPro ℛ ●	12	500	2.5x1.1x1.7	0.2	8.95	7.95	7.49	6.95
1940694	Mean Well ℛ	12	500	2.6x1.3x1.9	0.2	9.49	8.49	7.95	7.49
2150758	ReliaPro ℛ ●	12	500	2.5x1.7x1.1	0.2	7.95	6.95	6.25	5.95
252816	ReliaPro ℛ ●	12	600	2.5x1.1x1.7	0.2	11.95	10.95	9.95	8.95
2151005	DVE ℛ ●	12	1000	2.7x1.8x1.1	0.2	10.95	9.95	8.95	7.95
252824	ReliaPro ℛ ●	12	1000	2.9x1.3x2.2	0.3	12.95	11.49	9.95	8.95
252833	ReliaPro ℛ ●	12	1250	2.9x1.3x2.2	0.3	13.95	12.95	11.95	10.95
2167656	ReliaPro ℛ	12	1500	2.9x1.7x1.3	0.3	10.95	9.95	8.95	7.95
1950497	ReliaPro ℛ ●	12	2000	2.9x2.1x1.3	0.4	15.95	14.49	12.95	11.49
254757	ReliaPro ℛ ●	15	800	2.9x1.3x2.2	0.2	12.95	11.49	10.49	9.49
252904	ReliaPro ℛ ●	15	1000	2.9x1.3x2.2	0.3	13.95	12.95	11.95	10.95
252866	ReliaPro ℛ ●	24	500	2.9x1.3x2.2	0.3	12.95	11.95	10.95	9.95
2076341	ReliaPro ℛ ●	24	630	2.9x1.3x2.2	0.3	12.95	11.95	10.95	9.95

● CEC

Power

Energy Star Worldwide Interchangeable AC-to-DC Regulated Switching Wall Adapters

Meets US and European Energy Star compliance. Approved for European high-efficiency power applications.

★ **Web Code: NBH**

- Field changeable AC Plug Clips **(sold separately, see below)**
- Regulated output   • Double insulated
- Input voltage: 90-264VAC @ 47-63Hz   • Power-On LED
- Output connector: 2.1mm x 5.5mm female center positive; except where noted
- Load regulation: ±5%   • Class B EMI   • Color: black
- Applications: wireless communications, portable equipment, digital camera, peripherals and networking

USA   European   UK   Australia

Phihong & Mean Well AC Plug Clips (below)

Shown w/o AC Plug Clip
AC Plug Clips Not Included

2161570

Wall Adapters (AC Plug Clip required, not included)

Part No.	Manufacturer	Product No.	Output Volt. (VDC)	Current (A)	Power (W)	Ripple (mVp-p)	Line Regulation	Efficiency (%)	Dimensions (L" x W" x H")	Pricing 1	Pricing 10	Pricing 50
2161570	ReliaPro	SA050100R1340ℛ★★	5	1.0	5	300	±5%	80	2.7 x 1.8 x 0.8	$10.95	$9.95	$8.95
2144809	Phihong	PSA08R-050ℛ†#	5	1.0	5	50	±1%	70	2.8 x 1.8 x 1.0	10.95	9.95	8.95
2139815	Phihong	PSAC05R-050(P)ℛ	5	1.0	5	50	±1%	60 - 75	2.8 x 1.8 x 1.2	9.95	8.95	7.95
2197812	Cincon	TR1ORO50ℛ*#	5	1.6	10	50	±1%	65	2.8 x 1.7 x 1.3	11.95	10.95	9.95
2158240	Phihong	PSM11R-050ℛ##	5	2.0	10	100	±5%	70	2.8 x 1.7 x 1.2	9.95	8.95	7.95
2082311	Mean Well	GE18I09-P1Jℛ	9	2.0	18	100	±5%	75	3.2 x 1.7 x 1.6	12.49	11.49	9.95
2138951	Phihong	PSA11R-120	12	0.83	10	120	±1%	65	2.8 x 1.8 x 1.2	9.95	8.95	7.95
2108656	Phihong	PSC12R-120ℛ	12	1.0	12	240	±5%	78	2.8 x 1.8 x 1.2	14.95	13.95	12.95
2154986	ReliaPro	FW75550/12ℛ*	12	1.25	15	150	±5%	80	3.5 x 2.0 x 1.3	15.95	14.95	13.95
2100179	Phihong	PSAA20R-120ℛ	12	1.67	20	120	±5%	81	2.8 x 2.0 x 1.3	17.95	16.95	14.49
2205632	CUI	EMS240025-PSP-SZℛ*	24	0.25	6	240	±1%	80	2.5 x 1.6 x 1.2	9.95	8.95	8.49
2082345	Mean Well	GE12I24-P1Jℛ	24	0.63	15	240	±3%	80	2.8 x 1.6 x 1.5	9.49	8.49	7.95
2192528	ReliaPro	EA1024KRℛ*	24	1.25	30	240	±1%	80	2.8 x 1.6 x 1.3	24.95	22.95	19.95

†Includes USA AC plug clip   #2.5mm x 5.5mm female plug   ##Mini USB plug   *Kit includes US, UK, EU, AUS plugs   ★★Raspberry Pi adapter

Phihong AC Plug Clips (sold separately, required for above adapters)

Part No.	Mfr. P/N	Description (see above for photos)	1	10	50	250
229155	RPAℛ	USA AC plug only	$1.25	$1.19	$1.09	$.99
229163	RPEℛ	European AC plug only	1.25	1.19	1.09	.99
229181	RPKITℛ	Kit includes US, EU, UK & AU clips (4)	4.49	4.25	3.95	3.59

Mean Well AC Plug Clips (sold separately, required for above adapters)

Part No.	Mfr. P/N	Description (see above for photos)	1	10
2082353	AC-Plug-USℛ	USA AC plug only	$.89	$.85
2082361	AC-Plug-EUℛ	European AC plug only	.99	.89
2082396	AC-Plug-MIXℛ	Kit includes US, EU, UK & AU clips (4)	3.95	3.49

AC-to-DC Regulated Linear Wall Adapters

★ **Web Code: WAZ**

We specialize in Wall Adapters – Call for additional OEM PRICING.

We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 101) for just $2.50 each. Overmolding also available @ $4.00 each. A 100 pc. minimum order applies.

1953639

Female   Female Right Angle

◆ Polarity 1 (+)─(•)─(−) (center negative)
Polarity 2 (−)─(•)─(+) (center positive)
Female(F)   Male(M)

Part No.	Manufacturer	Product No.	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
164101	ReliaPro	GPU410500500WD00	5	500	2.1mm x 5.5mm F 2	120 @ 60	3.1 x 2.1 x 1.7	Black	6'	0.6	UL/CUL	$10.95	$9.95	$8.95	$7.95
319986	ReliaPro	DV-580R	5	800	2.5mm x 5.5mm F 2	120 @ 60	3.2 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	7.49	6.49	5.49	4.49
2081609	Condor	RWP480505	5	1000	2.1mm x 5.5mm F 2	120 @ 60	3.2 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	7.95	6.95	5.95	4.95
168605	ReliaProℛ	DBU0501000	5	1000	2.5mm x 5.5mm F 2	120 @ 60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CUL	10.95	9.95	8.95	7.95
190512	ReliaProℛ	DBU60020-H3570	6	200	2.1mm x 5.5mm F 2	120 @ 60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	9.95	8.95	7.95	6.95
283573	ReliaPro	ADR-6V500MA-2.1	6	500	2.1mm x 5.5mm F 2	120 @ 60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	10.95	9.95	8.95	7.95
190529	ReliaProℛ	AD9123	9	250	2.5mm x 5.5mm right angle F 2	120 @ 60	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CUL	10.95	9.95	8.95	7.95
1953639	ReliaProℛ	DCU09050	9	500	2.1mm x 5.5mm F 2	120 @ 60	2.4 x 2.0 x 1.6	Black	6'	0.9	UL/CUL	10.95	10.49	9.95	8.95
1953647	ReliaProℛ	SF41-0900500RU	9	500	2.5mm x 5.5mm F 2	120 @ 60	3.0 x 2.0 x 1.6	Black	6'	0.9	UL/CUL	10.95	10.49	9.95	8.95
220898	ReliaProℛ	DCU120020	12	200	2.1mm x 5.5mm F 1	120 @ 60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.95	7.95	6.95	6.25
162996	ReliaProℛ	DDU120050	12	500	2.1mm x 5.5mm F 2	120 @ 60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	11.95	10.95	9.95	8.95
170245	ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F 2	120 @ 60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	14.95	13.49	11.95	10.95
1953663	ReliaProℛ	DCU1201000	12	1000	2.5mm x 5.5mm F 2	120 @ 60	3.3 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	14.95	13.49	11.95	10.95
174861	ReliaProℛ	DFU240050	24	500	2.1mm x 5.5mm F 2	120 @ 60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	14.95	13.49	11.95	10.95
174879	ReliaProℛ	DCU090025	24	500	2.5mm x 5.5mm F 2	120 @ 60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	14.95	13.49	11.95	10.95

More AC-to-DC Wall Adapters listed on pages 93-94 & 96-97

REGULATED SWITCHING WALL ADAPTERS — BEST SELLERS

Part No.	Description	Page	Price
380140	9V @ 2.77A	93	$11.95
2173116	12V @ 3A	94	19.95
2173108	15V @ 2A	94	14.95
380191	18V @ 1.38A	94	11.95
2179391	36V @ .67A	94	14.95

Design Publishing Manager

"Jameco is the best place I have ever worked and it's because of the people. We're like family."

20 Years of Service

YUNE

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
NAME BRANDS   HOUSE BRANDS   SPECIAL BUY

Power

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

AC-to-DC Unregulated Linear Wall Adapters

Input: 120VAC @ 60Hz

We specialize in Wall Adapters – Call for additional OEM PRICING.

We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 101) for just $2.50 each. Overmolding also available @ $4.00 each. A 100 pc. minimum order applies.

Female

Female Right Angle

Male **Stripped**

★ **Web Code: UAP**

◆ Polarity 1 (+)—○—(−) (center negative)
Polarity 2 (−)—○—(+) (center positive)
Female(F)   Male(M)

2099921

Part No.	Manufacturer	Product No.	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD mm Female/Male; Polarity ◆	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
2126109	ReliaPro	K12D045025023U	4.5	250	2.1mm x 5.5mm F 2	2.3 x 1.5 x 1.4	Black	6'	0.3	UL/CUL	$3.95	$3.49	$2.95	$2.59
112070	ReliaPro	DBU050022Z5480	5	225	2.5mm x 5.5mm F 2	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CUL	5.95	5.49	4.95	4.49
155601	ReliaPro℞	DCU050100B3582	5	1000	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	6.95
2179745	DVE℞	DV-6100-3508	6	100	2.1mm x 5.5mm F 1	2.4 x 1.5 x 1.0	Black	6'	0.3	UL/CUL	3.95	3.49	2.95	2.49
101266	ReliaPro℞	DBU060050E3860	6	500	2.1mm x 5.5mm F 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CUL	6.95	6.25	5.59	4.95
147707	ReliaPro℞	DBU060080C6962	6	800	2.1mm x 5.5mm F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
220943	ReliaPro℞	DCU060120G2401	6	1200	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	6.95
220951	ReliaPro℞	DCU075100G2291	7.5	1000	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	6.95	5.95	5.49	4.95
248751	ReliaPro℞	AD-071A	7.5	1000	2.5mm x 5.5mm F 2	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	5.95	5.49	4.95	4.59
355936	ReliaPro℞	DBU090020	9	200	1.3mm x 3.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.95	5.35	4.79	4.39
134025	ReliaPro℞	DBU090020Z6100	9	200	2.1mm x 5.5mm F 1	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CUL	5.95	5.35	4.79	4.39
2100152	ReliaPro	AP2911	9	200	2.1mm x 5.5mm F 2	2.6 x 1.8 x 1.5	Black	6'	0.4	UL/CUL	3.95	3.49	2.95	2.59
100845	ReliaPro	DBU090020E0850	9	200	2.1mm x 5.5mm F 2	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	6.95	5.95	5.49	4.59
2082556	ReliaPro	5-2616	9	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.4 x 1.4	Black	6'	0.5	UL/CUL	3.95	3.49	2.95	2.59
2082548	Atlinks	5-2617	9	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.4 x 1.4	Gray	6'	0.5	UL/CUL	2.95	2.49	1.95	1.75
2138847	ReliaPro	D6300-01	9	200	2.5mm M 2	2.2 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	3.95	3.49	2.95	2.59
133891	ReliaPro℞	DBU090030C112	9	300	2.1mm x 5.5mm F 2	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CUL	6.95	5.95	5.49	4.95
318676	ReliaPro℞	DBU090030H5790	9	300	2.5mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	6.95	5.95	5.49	4.95
189238	ReliaPro℞	DBU090030H4540	9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	6.95	5.95	4.95	4.49
163628	ReliaPro℞	DCU090050Z7484	9	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	7.95	6.95	6.25	5.49
100853	ReliaPro℞	DCU090050E2961	9	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	7.95	6.95	6.25	5.49
236937	ReliaPro℞	DCU090050G6440	9	500	2.5mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CUL	7.95	6.95	6.25	5.49
15561	ReliaPro℞	DCU090050A2011	9	500	3.5mm M 2	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	7.95	6.95	6.25	5.49
202180	ReliaPro℞	DCU090060F2091	9	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.95	6.95	5.95	5.49
100175	ReliaPro℞	DCU090060Z6652	9	600	2.5mm x 5.5mm F 2	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	7.95	6.95	5.95	5.49
2192704	ReliaPro℞	TEAD-41-090800U	9	800	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.7	UL/CUL	7.95	6.95	5.95	4.95
164929	ReliaPro℞	DDU090100C2550	9	1000	2.1mm x 5.5mm F 1	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
2179542	ReliaPro	ADP2108GT	9	1000	2.1mm x 5.5mm right angle F 2	2.6 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	7.95	6.95	5.95	5.49
364576	ReliaPro℞	DDU090100J0490	9	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
2099921	ENG Electric	T48-9-1000D4*	9	1000	2.5mm x 5.5mm F 1 (UK plug)	3.2 x 2.3 x 1.9	Black	6'	0.9	CE/TUV	2.95	2.49	1.95	1.59
127505	ReliaPro℞	DDU090100	9	1000	2.5mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	6.95
130526	ReliaPro	DDE090120F3621	9	1200	2.1mm x 5.5mm F 1	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	9.95	8.95	7.95	6.95
100095	ReliaPro℞	DBU120020	12	200	2.1mm x 5.5mm F 2	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CUL	5.95	5.49	4.95	4.49
158043	ReliaPro℞	DBU120020E2261	12	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.95	5.49	4.95	4.49
127976	ReliaPro℞	DCU120030D7161	12	300	2.1mm x 5.5mm F 2	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CUL	7.95	6.95	5.95	4.95
114825	ReliaPro℞	DCU120050D4740	12	500	Stripped & tinned	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	7.95	6.95	6.59	5.95
15368	ReliaPro℞	DCU120050Z8698	12	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CUL	7.95	6.95	6.59	5.95
102496	ReliaPro℞	DCU120050E8601	12	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CUL	7.95	7.29	6.59	5.95
102277	ReliaPro℞	DCU120050UE2631	12	500	2.5mm x 5.5mm F 2	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CUL	7.95	7.29	6.59	5.95
17267	ReliaPro	DCU120050Z5391	12	500	3.5mm M 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CUL	7.95	7.29	6.59	5.95
2167373	ReliaPro	MW41-1200600	12	600	2.1mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.6	Black	6'	0.7	UL/CUL	6.95	6.49	5.95	5.49
2167365	ReliaPro	A31265	12	600	2.1mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.6	Black	6'	0.7	UL/CSA	6.95	6.49	5.95	5.49
202219	ReliaPro℞	DCU120070F2142	12	700	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	8.95	7.95	7.29	6.49
2188473	Motorola🍃	503913-007	12	750	2.5mm x 5.5mm F 2	2.7 x 1.7 x 1.2	Black	6'	0.2	UL/CUL/CEC	7.49	6.95	6.25	5.49
117479	ReliaPro℞	DDU120080E6451	12	800	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.95	7.95	7.49	6.95
129331	ReliaPro℞	DDU120080F2412	12	800	2.5mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.95	7.95	7.49	6.95
121232	ReliaPro℞	DDU120080F2271	12	800	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CUL	8.95	7.95	7.49	6.95
2197484	ReliaPro℞	DDU120100	12	1000	2.1mm x 5.5mm F 2	2.6 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	8.95	7.95	6.95	6.25
100870	ReliaPro℞	DDU120100Z7974	12	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	9.95	8.95	7.95	7.29
2179770	Westell℞🍃	585-200071**	12	1000	2.5mm x 5.5mm F 2	2.9 x 1.6 x 1.2	Black	6'	0.2	UL/CEC	8.95	7.95	6.95	6.25
105478	ReliaPro℞	DDU120100Z2993	12	1000	2.5mm x 5.5mm F 2	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
15392	ReliaPro℞	DDU120100E7302	12	1000	3.5mm M 2	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29

* 240VAC 50Hz   ** Slimline   🍃 CEC

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.
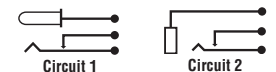
Power

JAMECO®.COM

JAMECO ReliaPro ## AC-to-DC Unregulated Linear Wall Adapters (Continued)

Input: 120VAC @ 60Hz

We specialize in Wall Adapters – Call for additional OEM PRICING.

We are happy to change any listed DC wall adapter power plug to a connector of your choice (see pg 101) for just $2.50 each. Overmolding also available @ $4.00 each. A 100 pc. minimum order applies.

Female Male Female Right Angle

◆ Polarity 1 (+) ⊙ (−) (center negative)
◆ Polarity 2 (−) ⊙ (+) (center positive)
Female(F) Male(M)

★ Web Code: UAP

123158
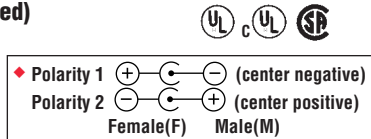
Part No.	Manufacturer	Product No.	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Size (H" x W" x D")	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)							1	10	50	100
196779	ReliaPro*R*	DDU120120G0031	12	1200	2.5mm x 5.5mm F 2	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	$10.95	$9.95	$8.95	$7.95
2192747	ReliaPro*R*	MW48-1201250	12	1250	2.1mm x 5.5mm F 2	3.0 x 2.3 x 1.9	Black	6'	1.4	UL/CUL	9.95	8.95	7.95	6.95
203036	ReliaPro*R*	DDU120150H4530	12	1500	2.1mm x 5.5mm F 1	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	15.95	14.95	13.49	11.95
136881	ReliaPro*R*	DDU120150K1960	12	1500	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	15.95	14.95	13.49	11.95
101291	ReliaPro*R*	DDU120150	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	15.95	14.95	13.49	11.95
2173028	ENG*R*	57-12-2000D	12	2000	2.1mm x 5.5mm F 2	3.4 x 2.6 x 2.2	Black	6'	1.7	UL/CUL	14.95	13.49	11.95	9.49
308099	ReliaPro*R*	DDU135100H3210	13.5	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.95	8.95	7.95
123932	ReliaPro*R*	DDU140070Z7470	14	700	2.1mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CUL	8.95	7.95	6.95	6.25
202260	ReliaPro	DDU140100F3270	14	1000	2.1mm x 5.5mm F 2	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	7.95	6.95	5.95	5.25
2172720	Globtek*R*	WD1G500CCP-N	15	500	2.1mm x 5.5mm F 2	3.2 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	6.95	5.95	5.49	4.95
190001	ReliaPro*R*	DCU150050E3021	15	500	2.1mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CUL	8.95	7.95	7.29	6.49
189982	ReliaPro	DCU150050E3031	15	500	2.5mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CUL	8.95	7.95	7.29	6.49
203502	ReliaPro	DDU150090F4480	15	900	2.5mm x 5.5mm F 2	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	5.95	4.95	4.49	3.95
191652	ReliaPro*R*	DDU150100D7051	15	1000	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.95	8.95	7.95
2167525	ReliaPro	DDU150100RR2200	15	1000	2.5mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.95	8.95	7.95
217541	NiteRider	FE4116168C030	16.8	300	2.5mm x 5.5mm F 2	3.1 x 2.1 x 1.6	Black	6'	0.6	UL/CUL	2.49	1.95	1.59	1.25
2081713	DVE	DV-1790	17	900	2.5mm x 5.5mm F 2	3.2 x 2.2 x 2.0	Black	6'	1.2	UL/CSA	2.49	1.95	1.59	1.25
163272	ReliaPro	DDU180050C1031	18	500	2.1mm x 5.5mm F 2	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	6.95	5.95	4.95	4.49
2205261	ReliaPro	DDU180100H4550	18	1000	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.95	8.95	7.95
206958	ReliaPro	DDU180100H4551	18	1000	2.5mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.95	8.95	7.95
102285	ReliaPro*R*	DDU240040Z7860	24	400	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.95	7.95	7.29	6.49
163635	ReliaPro*R*	DDU240050C1981	24	500	2.1mm x 5.5mm F 1	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	8.95	7.95	6.95	6.29
2192510	ReliaPro*R*	DDU240050RS1160	24	500	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
191556	ReliaPro*R*	DDU240050E5852	24	500	2.5mm x 5.5mm F 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
139088	ReliaPro	DDU240050E9160	24	500	3.5mm M 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	7.29
2192641	Ault*R*	P48240600A030G	24	600	2.1mm x 5.5mm F 2	2.9 x 2.2 x 1.9	Black	6'	1.3	UL/CSA	7.95	6.95	5.95	4.95
168495	ReliaPro*R*	DFU240080J3180	24	800	2.1mm x 5.5mm F 2	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	11.95	10.95	9.95	8.95
220960	ReliaPro*R*	DFU240100G2300	24	1000	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	14.95	13.49	11.95	9.95
249121	ReliaPro*R*	DFU240120/G8520	24	1150	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.95	15.95	14.49	12.95
249113	ReliaPro	DFU240120/G8510	24	1150	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.95	15.95	14.49	12.95
199523	ReliaPro	DDU300050E9340	30	500	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	10.95	9.95	8.95	7.95
15309	ReliaPro*R*	900-051	3, 4.5, 6, 7.5, 9, 12	500	1.3x3.5, 2.1x5, 2.5x5.5 **Female** 2.5, 3.5 **Male**, 9V battery snap (LED ind.)	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.95	8.95	7.95	6.95
2167621	Seven Star	SS104*	1.5, 3, 4.5, 6, 7.5, 9, 12	500	0.7x2.3, 1.5x4, 2.1x5, 2.5x5.5 **Female** 2.5, 3.5 **Male** (LED indicator)	3.3 x 2.0 x 1.9	Black	6'	0.8	—	7.95	6.95	5.95	4.95
123158	ReliaPro*R*	900-100*	1.5, 3, 4.5, 6, 7.5, 9, 12	1000	1.3x3.5, 2.1x5, 2.5x5.5 **Female** 2.5, 3.5 **Male**, 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	—	11.95	10.95	9.95	8.95

*110/220VAC input voltage

GlobTek® AC-to-DC Medical Table-Top Regulated Switching Power Supplies

★ Web Code: WBM

- 2.5mm x 5.5mm female center positive
- Input voltage: 90-264VAC @ 47-63Hz
- Leakage current: 0.1mA max.
- Regulation (line & load): ±5%
- Isolation voltage: 4,000VAC • 3-wire AC input
- Ripple & noise: 1% or 100mV, whichever is smaller
- Cord lengths: DC: 6'; AC: not included use P/N 132011, pg 105
- Size: 2.9"L x 2.0"W x 1.6"H

Part No.	Mfr. Part No.	Power (W)	Output VDC/Amps	Pricing		
				1	10	50
2179606	TR9CB2500LCP*R*	15.0	+6/2.5	$24.95	$22.95	$19.95
230683	TR9CE1250CP*R*	15.6	+12/1.3	34.95	29.95	24.95
230763	TR9CE4000LCP	49.2	+12/4.1	54.95	49.95	45.95
230798	TR9CI2100LCP	50.4	+24/2.1	59.95	53.95	47.95

★ *Interchangeable Power Supplies, Adapters and Tips — Enter Web Code NBH*

Accessory Power Input Cords for Table-Top Power Supplies

★ Web Code: UBF

189587 38050 1951123

Part No.	Ref. No.*	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	1	10	50	100
189587	1	2-conductor power cord (Figure 8 style)*R*	Black	18/2	UL/CSA	6'	0.3	SPT	$2.95	$2.69	$2.39	$2.19
38050	2	3-conductor power cord.*R*	Black	18/3	UL/CSA	6'	0.4	SVT	4.95	4.49	3.95	3.59
1953559	3	3-conductor flat power cord (Mickey Mouse™ style)	Black	18/3	UL/CSA	6'	0.4	SPT-2	2.59	2.25	1.95	1.59
1951123	3	3-conductor round power cord (Mickey Mouse™ style)*R*	Black	18/3	UL/CSA	6'	0.4	SVT	2.95	2.59	2.29	1.95

*These reference numbers for "AC cord needed" for Table-Top Power Supplies on pages 98-100

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
NAME BRANDS HOUSE BRANDS SPECIAL BUY

Power

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts

JAMECO ReliaPro | MW | PHIHONG

AC-to-DC Unregulated Linear & Regulated Switching Table-Top Power Supplies

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 101) for just $2.50 ea. Overmolding also available @ $4.00 ea. A 100 pc. minimum order applies.

2155006 | 2099569 | 1940299 | 2155321 | cec | 309876

◆ Polarity 1 (+)─c─(−) (center negative)
Polarity 2 (−)─c─(+) (center positive)
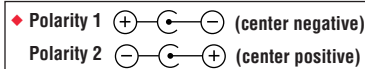
Female (F) | Male (M) | DIN (M) | Stripped

UL CSA △ GS CE

See page 104 for International Power Cords

Part No.	Manufacturer	Product No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD/F = female; M = male; Polarity ◆	Input VAC@Hz	Output Power (W)	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	Pricing 10
				2-Wire AC Input – Unregulated Linear Table-Top								**★ Web Code: TBE**	
2155006	Lite-On	PB-1090-1L1	+12/0.75	2.5mm x 5.5mm F 2	120@60	9	No	3.2 x 2.2 x 1.9	6'/6'	1.1	UL/CUL	$7.95	$6.49
2192712	OEM𝓡	AD-121ADT	+12/1.0	2.1mm x 5.5mm F 2	120@60	12	No	3.2 x 2.2 x 1.8	6'/6'	1.4	UL/CUL	9.95	8.95
140880	ReliaPro	DC1215ST	+12/1.5	Stripped & Tinned	120@60	18	No	3.1 x 2.1 x 1.9	6'/6'	1.5	UL	12.95	11.95
143715	ReliaPro𝓡	DC1220F1	+12/2.0	2.1mm x 5.5mm F 2	120@60	24	No	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	15.95	14.95
143722	ReliaPro𝓡	DC1220F5	+12/2.0	2.5mm x 5.5mm F 2	120@60	24	No	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	15.95	14.95
143731	ReliaPro	DC1220M3	+12/2.0	3.5mm M 2	120@60	24	No	3.8 x 2.8 x 2.3	6'/6'	1.9	UL/CUL	14.95	13.49
2197898	ReliaPro	MKD66123400	+12/3.4	5-pin DIN M	120@60	40	No	5.1 x 3.6 x 2.6	6'/6'	3.0	UL/CUL	19.95	17.95
2099569	ReliaPro	57-1607-U4D	+16/0.7	2.5mm x 5.5mm F 2	120@60	19	No	3.6 x 2.7 x 3.6	6'/6'	1.3	UL	3.95	3.49
174845	ReliaPro𝓡	GQ-ADT57250-0044	+24/1.0	2.1mm x 5.5mm F 2	120@60	24	No	3.4 x 2.6 x 2.2	6'/6'	2.6	UL	14.95	13.95
139096	ReliaPro	EHU240120	+24/1.2	2.1mm x 5.5mm F 2	120@60	29	No	4.4 x 3.1 x 2.6	6'/6'	2.5	—	15.95	14.95
2197572	ReliaPro𝓡	EHU240200	+24/2.0	2.1mm x 5.5mm F 2	120@60	48	No	4.4 x 3.1 x 2.6	6'/6'	2.5	—	19.95	17.95
				2-Wire AC Input – Regulated Switching Table-Top – Single Output								**★ Web Code: DDZ**	
1940299	Mean Well𝓡	GS18B05-P1J	+5/3.0	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.1 x 2.1 x 1.3	4'/ 1	0.5	UL/CUL/TUV/CE	$11.95	$10.95
1940310	Mean Well𝓡	GS18B09-P1J	+9/2.0	2.1mm x 5.5mm F 2	90-264@47-63	18	Yes	3.1 x 2.1 x 1.3	6'/ 1	0.5	UL/CUL/TUV/CE	11.95	10.95
191353	Delta	ADP-15FB	+12/1.25	2.1mm x 5.5mm F 2	100-240@50-60	15	No	3.5 x 2.3 x 1.2	6'/ 1	0.5	UL/CE	7.95	6.95
1940328	Mean Well𝓡	GS18B12-P1JT	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CUL/TUV/CE	11.95	10.95
2167445	ReliaPro𝓡	ADPV16	+12/3.0	2.1mm x 5.5mm F 2	100-240@50-60	36	No	3.6 x 1.6 x 1.1	5'/ 1	0.4	UL/CUL/CE/CSA	19.95	18.95
2155321	ReliaPro𝓡	PA1045-120T2B375-APF02	+12/3.75	2.1mm x 5.5mm F 2	90-264@50-60	45	Yes	4.3 x 2.1 x 1.2	6'/ 1	0.5	UL/CUL/TUV/CE	22.95	20.49
2155330	ReliaPro𝓡	PA1045-120T2B375-APF04	+12/3.75	2.5mm x 5.5mm F 2	90-264@50-60	45	Yes	4.3 x 2.1 x 1.2	6'/ 1	0.5	UL/CUL/TUV/CE	22.95	20.49
1940521	Mean Well𝓡	GS25B15-P1J	+15/1.66	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.1 x 2.1 x 1.3	6'/ 1	0.5	UL/CUL/TUV/CE	11.95	10.95
1940547	Mean Well𝓡	GS25B24-P1J	+24/1.04	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.1 x 2.1 x 1.3	6'/ 1	0.5	UL/CUL/TUV/CE	11.95	10.95
221613	Mean Well𝓡 ✓	P30B-6P2JT	+24/1.12	2.1mm x 5.5mm F 2	100-240@50-60	27	Yes	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	9.95	9.49
1707139	Mean Well𝓡	ES25B48-P1J	+48/0.52	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.1 x 2.1 x 1.3	6'/ 1	0.4	UL/CUL/TUV/CE	12.95	11.95
				2-Wire AC Input – Regulated Switching Table-Top – Triple Output								**★ Web Code: TTO**	
196138	DVE	DSA-0283A	+5/1, +12/1.49 -5/0.43 (Requires 20% min. load on all outputs)	5-pin DIN M	100-240@47-63	23	No	4.9 x 2.7 x 1.5	6'/ 1	0.8	UL/CSA/TUV	$3.95	$3.59
				3-Wire AC Input – Regulated Switching Table-Top – Single Output								**★ Web Code: DDZ**	
309876	ReliaPro	GI12-USO520	+5/2.0	2.1mm x 5.5mm F 2	100-240@50-60	10	No	2.6 x 1.9 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CE	$11.95	$10.95
196218	GlobTek𝓡	GT-21089-1305T3	+5/2.0	2.1mm x 5.5mm F 2	120-240@50-60	10	No	3.4 x 1.9 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CE	15.95	14.49
1955642	Delta	ADP-105B	+5/2.0	2.1mm x 5.5mm F 2	100-240@50-60	10	No	3.3 x 1.9 x 1.2	6'/ 2	0.3	UL/CUL/CE	4.95	4.49
2115506	OEM	SYS1089-1305-T3	+5/2.6	2.1mm x 5.5mm F 2	100-240@50-60	13	No	3.4 x 1.8 x 1.3	6'/ 2	0.3	UL/CUL/CE	6.95	5.95
1940387	Mean Well𝓡	GS18A05-P1J	+5/3.0	2.1mm x 5.5mm F 2	100-240@50-60	15	Yes	3.7 x 2.1 x 1.4	4'/ 2	0.5	UL/CUL/TUV/CE	11.95	10.95
1940571	Mean Well𝓡	GS25A05-P1J	+5/4.0	2.1mm x 5.5mm F 2	100-240@50-60	20	Yes	3.7 x 2.1 x 1.4	4'/ 2	0.5	UL/CUL/TUV/CE	11.95	10.95
1952337	Mean Well𝓡	GS40A05-P1JU	+5/5.0	2.1mm x 5.5mm F 2	90-264@47-63	25	Yes	4.9 x 2.0 x 1.2	4'/ 2	0.7	UL/CUL/TUV/CE	15.95	14.49
2135700	Condor𝓡	HK-D530-A05	+5/6.0	2.5mm x 5.5mm F 2	100-240@50-60	30	No	4.7 x 2.1 x 1.3	8'/ 2	0.5	UL/CUL/TUV/CE	14.95	13.49
320081	GlobTek𝓡	TR9CA6000LCP-Y	+5/6.0	2.5mm x 5.5mm F 2	100-240@50-60	30	Yes	4.7 x 2.4 x 1.3	6'/ 2	0.7	UL/CUL/TUV/CE	39.95	35.95
2144956	ReliaPro𝓡	GQ65-060330-EI	+6/3.3	2.1mm x 5.5mm F 2	100-240@50-60	20	No	3.6 x 2.0 x 1.3	6'/ 3	0.3	UL/TUV/CE	17.95	15.95
206529	Mean Well𝓡	GS40A07-P1J	+7.5/5.34	2.1mm x 5.5mm F 2	100-240@50-60	40	Yes	4.9 x 2.0 x 1.3	4'/ 2	1.5	UL/CUL/TUV/CE	15.95	14.49
2103118	Mean Well𝓡	GS60A07-P1J	+7.5/6.0	2.1mm x 5.5mm F 2	90-264@47-63	45	No	4.9 x 2.0 x 1.2	3.3'/ 2	0.7	UL/CUL/TUV/CE	17.95	15.95
2173036	Phihong𝓡	PSA18U-090	+9/2.0	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.9 x 2.2 x 1.2	5'/ 2	0.5	UL/CUL/TUV/CE	11.95	10.95
1940408	Mean Well𝓡	GS18A09-P1J	+9/2.0	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/ 2	0.6	UL/CUL/TUV/CE	11.95	10.95
2102916	Mean Well𝓡	GS40A09-P1J	+9/4.5	2.1mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.2	3.3'/ 2	0.6	UL/CUL/TUV/CE	15.95	14.49
1952361	Mean Well𝓡	GS60A09-P1J	+9/6.0	2.1mm x 5.5mm F 2	90-264@47-63	54	Yes	4.9 x 2.0 x 1.3	4'/ 2	0.7	UL/CUL/TUV/CE	17.95	15.95
2150782	ReliaPro𝓡	GQ65-120100EI	+12/1.0	2.1mm x 5.5mm F 2	100-240@50-60	12	No	3.6 x 1.9 x 1.3	6'/ 2	0.3	TUV(US)/TUV/CE	12.95	11.95
1954244	Mean Well𝓡	GS15A-3P1J	+12/1.25	2.1mm x 5.5mm F 2	90-264@47-63	15	No	3.9 x 2.3 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CE	13.95	12.95

* See accessory table-top power cord chart on page 97 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

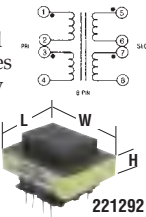✓CEC Equivalent available. Add a "C" before part number for CEC version. ● CEC

𝓡 RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

AC-to-DC Regulated Switching Table-Top Power Supplies

JAMECO **ReliaPro** **MW** **DVE** **SPI**

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 101) for just $2.50 ea. Overmolding also available @ $4.00 ea. A 100 pc. minimum order applies.

2135515 2172771 2099294 2139006 2172789
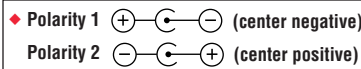
Female (F) **Female Right Angle** **DIN (M)** **4-Pin Molex**

◆ Polarity 1 (+)—c—(−) (center negative)
Polarity 2 (−)—c—(+) (center positive)

UL CSA ▲ ⚠ GS CE

See page 104 for International Power Cords

Part No.	Manufacturer	Product No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD/F = female; M = male; Polarity ◆	Input VAC@Hz	Output Power (W)	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	Pricing 10
			3-Wire AC Input – Regulated Switching Table-Top – Single Output (Continued)									★ Web Code: DDZ	
2135558	Joden	JSE-02512-9	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	No	3.4 x 2.2 x 1.3	6'/ 2	0.5	UL/CUL/TUV	$8.95	$7.95
1940416	Mean Well ℛ	GS18A12-P1JU	+12/1.5	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/6'	0.5	UL/CUL/TUV/CE	11.95	10.95
2135507	SPC Technology ℛ	SA121A6F-11	+12/1.6	2.1mm x 5.5mm F 2	100-250@47-63	19	No	3.2 x 2.2 x 1.9	6'/ 2	0.2	UL/CUL/TUV/CE	8.95	7.95
2135515	SPC Technology ℛ	SA122A0U-11	+12/2.0	2.1mm x 5.5mm F 2	100-250@47-63	24	No	3.2 x 2.2 x 1.9	6'/ 2	0.2	UL/CUL/TUV	9.95	8.95
2099868	DVE	DSA-0421S	+12/2.0	2.1mm x 5.5mm F 2	100-240@50-60	24	Yes	3.7 x 2.2 x 1.3	6'/6'	0.4	UL/CUL/TUV/CE	9.95	8.95
2197601	Delta ℛ ☙	EADP-24KBB	+12/2.0	2.1mm x 5.5mm F 2†	100-240@50-60	24	No	4.7 x 2.0 x 1.2	7'/6'	0.5	UL/CUL/CE	10.95	9.95
1940601	Mean Well ℛ ☙	GS25A12-P1JU	+12/2.08	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	4'/6'	0.5	UL/CUL/TUV/CE	11.95	10.95
2154978	ReliaPro ℛ ☙	GQ65120250-E1	+12/2.5	2.5mm x 5.5mm F 2	100-240@50-60	30	No	3.6 x 1.9 x 1.3	6'/ 2	0.5	TUV(US)/CE	15.95	14.95
2129158	Sparkle Power ☙	FSP040-DGAA1	+12/3.33	2.1mm x 5.5mm F 2	100-240@50-60	40	Yes	4.3 x 2.0 x 1.2	5'/ 2	0.5	UL/CUL/TUV/CE	20.95	18.95
1952345	Mean Well ℛ ☙	GS40A12-P1J	+12/3.34	2.1mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.3	4'/ 2	0.7	UL/CUL/TUV/CE	15.95	14.49
2079357	Mean Well ℛ ☙	GS40A12-P1M	+12/3.34	2.5mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.3	4'/ 2	0.7	UL/CUL/TUV/CE	15.95	14.49
1940264	ReliaPro ℛ ☙	EA1050E	+12/3.5	2.1mm x 5.5mm F 2	100-240@50-60	42	Yes	4.7 x 2.4 x 1.4	4'/ 2	0.6	UL/CUL/TUV/CE	14.95	13.95
1940272	ReliaPro ℛ ☙	GQ65-120416-EI	+12/4.16	2.1mm x 5.5mm F 2	100-240@50-60	50	Yes	4.5 x 1.9 x 1.4	4'/ 2	0.6	TUV(US)/CE	18.95	17.95
2158485	Power-One ℛ	3F42050	+12/4.2	2.1mm x 5.5mm F 2†	100-240@50-60	50	Yes	4.7 x 2.4 x 1.4	6'/6'	—	UL/CUL/CE	13.95	12.95
2129609	Phihong ℛ	PSA65U-120	+12/5.0	2.1mm x 5.5mm F 2	100-240@50-60	60	No	5.9 x 2.8 x 1.5	3.3'/ 2	1.0	UL/CUL/CE	15.95	13.49
2172771	ReliaPro ℛ ☙	EA1050A-120	+12/5.0	2.1mm x 5.5mm F 2	100-240@50-60	60	Yes	4.7 x 2.4 x 1.4	4'/ 2	0.7	UL/CUL/CE	16.95	14.95
1952370	Mean Well ℛ ☙	GS60A12-P1J	+12/5.0	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 1.9 x 1.2	4'/ 2	0.7	UL/CUL/TUV/CE	17.95	15.95
2099420	Sparkle Power ☙	AD060DBAEI-J25R	+12/5.0	2.5mm x 5.5mm F 2†	100-240@50-60	60	Yes	4.3 x 2.4 x 1.2	5'/ 2	0.5	UL/CUL/TUV/CE	27.95	24.95
2078291	Mean Well ℛ ☙	GS90A12-P1M	+12/6.67	2.5mm x 5.5mm F 2	100-240@50-60	80	Yes	5.7 x 2.3 x 1.3	4'/ 2	0.9	UL/CUL/TUV/CE	28.95	25.95
221429	Mean Well ℛ	U65S105-P2JU	+12/6.7	2.1mm x 5.5mm F 2	100-240@50-60	80	Yes	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	41.95	38.95
2129211	Mean Well	GS120A12-R7B	+12/8.5	4-pin DIN M	85-264@47-63	102	Yes	6.6 x 2.6 x 1.4	4'/ 2	1.4	UL/CUL/TUV/CE	43.95	39.95
2205165	ReliaPro ℛ ☙	EA11011H-120	+12/10	4-pin DIN M	100-240@47-63	120	Yes	5.4 x 2.3 x 1.3	4'/ 2	2.4	UL/CUL/CB/CE	46.95	42.95
2099294	Mean Well ℛ	GS220A12-R7B	+12/15	4-pin DIN M	90-264/127-370@47-63	180	Yes	8.3 x 3.4 x 1.8	3.3'/ 2	1.0	UL/CUL/TUV/CE	74.95	67.95
2139006	ENG Electric	3G-301DN13	+13.5/2.2	4-pin Molex	100-240@50-60	30	No	4.6 x 1.9 x 1.2	2'6"/5'	0.8	UL/CUL	7.95	6.95
1940432	Mean Well ℛ ☙	GS18A15-P1JU	+15/1.2	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	11.95	10.95
1940619	Mean Well ℛ ☙	GS25A15-P1J	+15/1.66	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	11.95	10.95
221577	Mean Well ℛ	GS40A15-P1J	+15/2.67	2.1mm x 5.5mm F 2	90-264@50-60	40	Yes	4.9 x 2.0 x 1.3	6'/ 2	0.8	UL/CUL/TUV/CE	15.95	14.49
2171559	Mean Well ℛ ☙	GS40A15-P1JU	+15/2.67	2.1mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.2	3.3'/6'	0.6	UL/CUL/TUV/CE	17.95	15.49
1954295	Mean Well ℛ ☙	GS60A15-P1J	+15/4.0	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 2.0 x 1.2	4'/ 2	0.7	UL/CUL/TUV/CE	17.95	15.95
2078320	Mean Well ℛ ☙	GS90A15-P1M	+15/6.0	2.5mm x 5.5mm F 2	100-240@50-60	90	Yes	5.7 x 2.3 x 1.3	3'3"/ 2	0.8	UL/CUL/TUV/CE	28.95	25.95
2145107	SYN Electronics	SYS-1097-4018	+18/2.2	2.1mm x 5.5mm F 2	100-240@47-63	40	Yes	4.7 x 2.4 x 1.3	4'/ 2	0.7	UL/TUV/CE	12.95	11.49
2154951	Mean Well ℛ ☙	GS60A18-P1JU	+18/3.33	2.1mm x 5.5mm F 2	90-264@50-60	60	Yes	4.9 x 2.0 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	17.95	15.95
1940459	Mean Well ℛ ☙	GS18A24-P1J	+24/0.75	2.1mm x 5.5mm F 2	100-240@50-60	18	Yes	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	11.95	10.95
1940635	Mean Well ℛ ☙	GS25A24-P1JU	+24/1.04	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	6'/6'	0.5	UL/CUL/TUV/CE	12.95	11.95
380577	Mean Well ℛ	ES25A24-P1MU	+24/1.04	2.5mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CUL/TUV/CE	19.95	17.95
2172789	ReliaPro ℛ ☙	EA1030D1	+24/1.25	2.1mm x 5.5mm F 2	100-240@50-60	30	Yes	3.8 x 1.7 x 1.2	6'/6'	0.4	UL/CUL/TUV/CE	15.49	14.95
1952353	Mean Well ℛ ☙	GS40A24-P1J	+24/1.67	2.1mm x 5.5mm F 2	90-264@47-63	40	Yes	4.9 x 2.0 x 1.2	6'/ 2	0.7	UL/CUL/TUV/CE	15.95	14.49
1537256	ReliaPro ℛ	0H-1048A2401700U-U	+24/1.7	2.5mm x 5.5mm F 2	90-264@47-63	40	Yes	4.5 x 2.0 x 1.3	6'/ 2	0.5	UL/CUL/CE	15.95	14.49
1942788	ReliaPro ℛ ☙	EA1050B-240	+24/2.5	2.1mm x 5.5mm F 2	100-240@50-60	60	Yes	4.8 x 2.4 x 1.4	6'/ 2	1.8	UL/CUL/TUV/CE	17.49	15.49
1952214	Mean Well ℛ ☙	GS60A24-P1J	+24/2.5	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 2.0 x 1.3	6'/ 2	0.7	UL/CUL/TUV/CE	17.95	15.95
1950913	ReliaPro ℛ ☙	EA1050B-240	+24/2.5	2.5mm x 5.5mm F 2	100-240@50-60	60	Yes	4.8 x 2.4 x 1.4	6'/ 2	1.8	UL/CUL/TUV/CE	19.95	18.95
2172797	ReliaPro ℛ ☙	EA11001D-240	+24/3.75	2.1mm x 5.5mm F 2	100-240@50-60	90	Yes	5.4 x 2.3 x 0.4	4'/ 2	0.9	UL/CUL/TUV/CE	27.95	24.95
2078338	Mean Well ℛ ☙	GS90A24-P1M	+24/3.75	2.5mm x 5.5mm F 2	100-240@50-60	90	Yes	5.9 x 2.3 x 1.2	4'/ 2	0.9	UL/CUL/TUV/CE	28.95	25.95
2135208	Mean Well ℛ	GS120A24-P1M	+24/5.00	2.5mm x 5.5mm F 2	85-264@47-63	120	Yes	6.6 x 2.6 x 1.4	4'/ 2	1.4	UL/CUL/TUV/CE	43.95	39.95
2122212	Mean Well ℛ	GS160A24-R7B	+24/6.67	4-pin DIN M	85-264@47-63	160	Yes	6.9 x 2.8 x 1.4	4'/ 2	1.5	UL/CUL/TUV/CE	54.95	49.95
2099286	Mean Well ℛ	GS220A24-R7B	+24/9.2	4-pin DIN M	90-264@47-63	220	Yes	8.3 x 3.4 x 1.8	3.3'/ 2	2.4	UL/CUL/TUV/CE	74.95	67.95
1940643	Mean Well ℛ ☙	GS25A28-P1JU	+28/0.89	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	6'/ 2	0.7	UL/CUL/TUV/CE	11.95	10.95
1940651	Mean Well ℛ ☙	GS25A48-P1J	+48/0.52	2.1mm x 5.5mm F 2	100-240@50-60	25	Yes	3.7 x 2.1 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	11.95	10.95
172065	Mean Well ℛ	SPU50-9U	+48/1.25	2.1mm x 5.5mm F 2	100-240@50-60	60	Yes	5.6 x 2.9 x 1.7	6'/6'	1.3	UL/CUL/TUV/CE	14.95	13.95
1952396	Mean Well ℛ	GS60A48-P1JU	+48/1.25	2.1mm x 5.5mm F 2	90-264@47-63	60	Yes	4.9 x 2.0 x 1.2	6'/6'	0.7	UL/CUL/TUV/CE	17.95	15.95

*See accessory table-top power cord chart on page 97 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord † Right angle

☙ CEC

★ For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS NAME BRANDS / HOUSE BRANDS / SPECIAL BUY

3 LEVELS OF SAVINGS
| NAME BRANDS | HOUSE BRANDS | SPECIAL BUY |

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts

AC-to-DC Regulated Switching Table-Top Power Supplies (Continued)

We are happy to change the power plug on any listed table-top power supply to a connector of your choice (see pg 101) for just $2.50 each. A 100 pc. minimum order applies. Overmolding also available @ $4.00 ea. A 100 pc. minimum order applies.

See page 104 for International Power Cords

DIN (M) 2138880 221702 237367

Part No.	Manufacturer	Product No.	Output Volts (VDC)/ Current (A)	Output Connector ID x OD/F = female; M = male; Polarity ◆	Input VAC@Hz	Output Power (W)	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10
				3-Wire AC Input – Regulated Switching Table-Top – Double & Triple Output								**★ Web Code: TDO**	
196270	ReliaPro℟	PSU25A13	+5/2.5, +12/1.0	4-pin mini DIN M	100-240@47-63	25	No	4.2 x 2.6 x 1.4	6'/4'	1.2	UL/CUL/TUV/CE	$34.95	$31.49
2138880	XP Power℟	AEH45UM23	+5/5.0, +12/2.0	5-pin DIN M	100-240@47-63	42	Yes	5.7 x 3.0 x 1.7	4'/ 2	1.3	UL/CUL/TUV/CE	22.95	19.95
190960	Mean Well℟	P25A13D-R1B	+5/2.5, +12/0.8 -12/0.3	5-pin DIN M	100-240@50-60	26	Yes	4.1 x 2.6 x 1.4	6'/ 2	1.1	CUL/TUV/CE	29.95	26.95
221720	Mean Well℟	P25A14E-R1BU	+5/2.5, +15/0.3 -15/0.3	5-pin DIN M	100-240@50-60	25	Yes	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	29.95	26.95
221702	Mean Well℟	P50A13D-R1BU	+5/4.0, +12/2.0 -12/0.5	5-pin DIN M	100-240@50-60	50	Yes	5.7 x 3.0 x 1.7	4'/6'	1.5	UL/CUL/TUV/CE	49.95	44.95
237367	Mean Well℟	P50A14E-R1B	+5/3.5, +15/1.2 -15/0.3	5-pin DIN M	100-240@47-63	42	Yes	5.8 x 3.0 x 1.7	4'/ 2	1.2	UL/CUL/TUV/CE	44.95	39.95

*See accessory table-top power cord chart on page 97 when AC cord needed; refer to **1**, **2** or **3** in "Cord (DC/AC)" column above for correct power cord

24-Watt Switching Table-Top Power Supply
Interchangeable AC & DC Plugs with Selected DC Outputs

- **Input voltage: 100-240VAC @ 50-60Hz**
- Output current: 2A
- Output connectors: 1mm x 3mm, 1.35mm x 3.5mm, 1.7mm x 4mm, 2.1mm x 5mm, 2.5mm x 5.5mm **female**; 2.5mm & 3.5mm **male**
- Interchangeable AC input plugs for USA/UK/Europe/Taiwan/China (included)
- Selectable outputs: 3VDC, 4.5VDC, 6VDC, 7.5VDC, 9VDC, 12VDC

Part No.	Mfr. Part No.	Size (L x W x H)	1	10	50
1537491	PSSMV3	4.7" x 3.3" x 2.5"	$35.95	$32.95	$29.95

5VDC@0.5A Interchangeable Wall Plug Adapter
With USB Socket Type A

- **Voltage output: 5VDC @ 0.5A** • Efficiency: 55% (typical)
- Voltage input: 90-264VAC @ 47-63Hz
- Leakage current: 0.20µA max. • UL/CUL/TUV/CE approved
- Wall plug clips not included; use P/N 229181, pg 95
- Use interchargeable tips P/N 2081625 (right)
- Size: 2.97"L x 1.81"W x 1.25"H

Part No.	Mfr. Part No.	1	10	50	100
662805	PSC30R-050℟	$9.95	$8.95	$7.95	$6.95

5VDC @ 200mA Wall USB Adapter

- Works with digital camera, cell phones, PDA, MP3 and other USB devices • LED indicator
- TUV/FCC approved • Output voltage: 5VDC @ 200mA
- Input volt.: 100-240VAC @ 50/60Hz
- Size: 2.5"H x 1.5"W x 0.8"D • Cable and tips use P/N 2081625 (right above)

Part No.	Mfr. Part No.	1	10	50	100
2138636	SW013US-0500020US	$3.95	$3.49	$2.95	$2.59

Regulated Desktop/Benchtop Power Supply

This is a high powerd, regulated power supply that is perfect for hobbyists. Typical applications are model railroads, slot car racing, science projects and other applications requiring 12V @ 24A power source. Features output connections heavy duty binding posts or cigarette lighter plug with a 2.1mm x 5.5mm female plug.

NEW MARKED IN PINK

- Input voltage: 100VAC to 240VAC @ 50-60Hz • CUL/UL recognized
- Includes: 6' IEC power cord, 6' coiled cigarette lighter plug cord with a 2.1mm x 5.5mm right angle female plug • Max. output voltage: 12V @ 24A

Part No.	Mfr. Part No.	Size (L x W x H)	Weight	1	5	25
2197599	PS24B	14.5" x 6" x 3.5"	9 lbs.	$69.95	$64.95	$55.95

30-Watt Switching Table-Top Power Supply

- **Output voltage: 5VDC to 12VDC in 1V increments**
- Output connectors: 2.5mm & 3.5mm **male**, 1mm x 3mm, 1.35mm x 3.5mm, 1.5mm x 5mm, 1.7mm x 4mm, 2.1mm x 5mm & 2.5mm x 5mm **female**
- Stabilized outputs, low ripple & interference
- High efficiency, low energy consumption • LED power indicator
- Input volt.: 100-240VAC @ 50/60Hz • Short-circuit, overload protection

Includes: AC power cord

Part No.	Mfr. Part No.	Output Current	Size (L x W x H)	1	10	50
2158354	PSSE13U℟	1.5A to 4A	3.5" x 1.8" x 1.2"	$39.95	$36.95	$32.95

USB-A Power Cable w/ Interchangeable Tips

- 4' cable • 26 AWG
- USB-A male connector • UL/CSA approved
- Tips: 1.3mm x 5.5mm, 1.5mm x 4.8mm, 1.7mm x 4.8mm, 2.1mm x 5.5mm, 2.5mm x 5.5mm, 2.9mm x 6.3mm, 1.3mm x 3.3mm and 1.3mm x 4.3mm **female**
- For use with P/Ns 662805 & 2138636 wall adapters (left)

Part No.	Cross Ref. No.	1	10	50	100
2081625	USBAC8	$5.95	$4.95	$4.49	$3.95

Auto/Air Cigarette DC/DC Power Adapter

- Input voltage: 11VDC to 16VDC @ 10A max.
- Input connector: cigarette plug, fused (15A @ 250V)
- Output connector: interchangeable tips 2.1mm, 2.5mm **female**, 3.5mm **male**
- Input/output cord length: 42"/48"
- Color: black with LED power indicator

Part No.	Cross Ref. No.	Size (L x W x H)	1	10	50	250
2099770	AA-5001G	4.7" x 2.0" x 1.0"	$4.49	$3.95	$3.49	$2.95

5VDC @ 500mA Wall USB Adapters

- Works with digital camera, cell phones, PDA, MP3 and other USB devices
- Flip up prongs
- UL FCC approved
- Output voltage: 5VDC @ 500mA
- Input voltage: 100-240VAC @ 50/60Hz
- Cable and tips use P/N 2081625 (above)

NEW MARKED IN PINK

2197644 2197652

Part No.	Mfr. Part No.	Size (H x W x D)	1	10	50	100
2197644	FEF0500050AIBU	2.2" x 1.5" x 1.1"	$4.95	$3.95	$3.49	2.95
2197652	GFP051-0505-1	2.5" x 1.9" x 0.9"	4.95	3.95	3.49	2.95

℟ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Switchcraft® — Male & Female Power Jacks

★ Web Code: BAM

Part No.	Mfr.	Product No.	Description Pin Dia. x OD	Dimensions H x W x D (mm)	Type/Mount	Circuit/Terminal	1	10	100
101194	ValuePro	PP024ℛ	1.3 x 3.5mm male	6.0 x 6.0 x 9.0	1/D	1/B	$.59	$.55	$.45
2168114	Adam Tech	ADC-002A-1ℛ	2.0 x 6.4mm male	11.0 x 9.0 x 14.3	2/D	1/A	.39	.35	.29
2188625	ValuePro	PJ2155	2.1 x 5.5mm male	10.9 x 9.0 x 14.0	2/D	1/A	.35	.29	.25
101178	ValuePro	PP014	2.1 x 5.5mm male	10.9 x 9.0 x 14.5	2/D	1/A	.39	.35	.29
101179	ValuePro	PP014ℛ	2.1 x 5.5mm male	10.9 x 9.0 x 14.5	2/D	1/A	.45	.39	.35
137673	ValuePro	PP013ℛ	2.1 x 5.5mm male	10.9 x 9.0 x 14.5	3/D	4/A	.45	.39	.35
151590	ValuePro	DPJ-02IAℛ	2.1 x 5.5mm male	18.0 x 12.6 Dia.	4/C†	1/A	.89	.79	.69
151555	ValuePro	DPJ-026ℛ2	2.1 x 5.5mm male	21.0 x 8.0 Dia.	5/C	1/A	1.75	1.59	1.39
281851	Switchcraft	722Aℛ2	2.1 x 5.5mm male	21.0 x 8.0 Dia.	7/C	1/A	4.95	4.49	3.95
159611	ValuePro	PJ1014Aℛ	2.1 x 5.5mm male	57.5 x 12.6 Dia.	6/F	3/A	1.75	1.59	1.39
2151136	ValuePro	HD2388Cℛ	2.1 x 5.5mm male	12.4 x 7.7 Dia.	8/C*	3/A	1.19	.99	.89
2144690	ValuePro	L5225	2.1 x 5.5mm male	11.0 x 9.1 x 14.7	13/D	1/A	.35	.29	.19
207714	ValuePro	HEC0470	2.5 x 5.5mm male	11.0 x 9.0 x 14.5	2/D	1/B	.55	.49	.39
101187	ValuePro	PP014Aℛ	2.5 x 5.5mm male	11.0 x 9.0 x 14.5	2/D	1/A	.55	.49	.45
151563	ValuePro	DPJ-026Aℛ2	2.5 x 5.5mm male	15.1 x 8.0 Dia.	5/E	1/A	1.49	1.35	1.19
159506	ValuePro	PJ1015Aℛ	2.5 x 5.5mm male	57.5 x 12.6 Dia.	6/F	3/A	1.49	1.35	1.19
202358	ValuePro	HD2388	2.5 x 5.5mm male	12.4 x 7.7 Dia.	8/C*	3/A	1.19	.99	.89
281842	Switchcraft	712Aℛ2	2.5 x 5.5mm male	15.8 x 7.5 Dia.	7/C	1/A	4.95	4.49	3.95
297553	Switchcraft	PC712Aℛ2	2.5 x 5.5mm male	23.3 x 11.0 Dia.	9/D	1/A	3.49	2.49	1.95
2144745	ValuePro	J25M	2.5 x 5.5mm male	11.1 x 8.9 x 13.4	14/C	1/A	.29	.25	.19
2168122	Adam Tech	ADC-002A-2ℛ	2.5 x 6.4mm male	11.0 x 9.0 x 14.3	2/D	1/A	.59	.55	.49
101143	ValuePro	PJ0352ℛ1	3.5 mm female	10.0 x 10.0 x 18.5	10/E	2/A	.49	.45	.39
109496	ValuePro	PJ035PMℛ1	3.5 mm female	10.5 x 9.0 x 20.0	11/C	2/A	.49	.45	.39
165730	ValuePro	PJ0354Rℛ1	3.5 mm female	15.5 x 5.9 Dia.	12/C	3/A	.79	.69	.59
2183218	ValuePro	M6HDWR	Additional Panel Mounting Hardware indicated with 1 (pg 81)				.69	.59	.49
281852	Switchcraft	5/16-32HDWR	Additional Panel Mounting Hardware indicated with 2 (pg 81)				.69	.59	.49

Terminals	Code
Solder eyelet	A
PC board	B

Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F

Circuit 1 Circuit 2 Circuit 3 Circuit 4

Type 1 Type 2 Type 3 Type 4
Type 5 Type 6 Type 7 Type 8
Type 9 Type 10 Type 11 Type 12
Type 13 Type 14 2183218 281852

† Center offset *Plastic
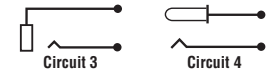
Switchcraft® — DC Power Plugs & Adapters

★ Web Code: MFP

Part No.	Mfr.	Product No.	Fig.	Description (Barrel) Plug ID x OD x L (mm)	Strain Relief ID x L (mm)	1	10	100
71192	ValuePro	PP137ℛ	1	F plug, 1.3 x 3.5 x 9.5	4.1 x 12 (black)	$.79	$.69	$.65
1537395	ValuePro	PL-005ℛ	2	F plug, 1.3 x 3.5 x 9.5 (right angle)	2.8 x 11 (black)	.89	.79	.69
191484	ValuePro	PP049W	1	F plug, 2.1 x 5.5 x 9.0	4.6 x 12 (white)	.89	.79	.69
2004890	ValuePro	PP049S	1	F plug, 2.1 x 5.5 x 9.5	4.5 x 12.5 (black)	.89	.79	.69
28760	ValuePro	PP049ℛ	1	F plug, 2.1 x 5.5 x 9.5 (P205)	4.1 x 12 (black)	.89	.79	.69
2201990	ValuePro	CS1021-HP-12	3	F plug, 2.1 x 5.5 x 12	8.3 x 22 (black)	1.49	1.25	1.09
2179358	ValuePro	27-1136Aℛ	7	F plug, 2.1 x 5.5 x 9.5 (locking)	6.0 x 25 (black)	3.75	3.49	2.95
2145123	ValuePro	CS1021-A-12MMℛ	1	F plug, 2.1 x 5.5 x 12	4.3 x 12 (black)	.89	.79	.69
138587	ValuePro	PJ021	2	F plug, 2.1 x 5.5 x 12 (right angle)	2.8 x 11 (black)	.89	.79	.65
147329	ValuePro	PP049Lℛ	1	F plug, 2.1 x 5.5 x 14 (P205L)	4.3 x 12 (black)	.89	.79	.65
190538	ValuePro	PP109Sℛ	1	F plug, 2.5 x 5.5 x 9.5	4.7 x 13 (black)	.89	.79	.65
281877	Switchcraft	760ℛ	3	F plug, 2.5 x 5.5 x 9.5	5.5 x 25 (black)	3.95	3.59	3.25
28768	ValuePro	PP109ℛ	1	F plug, 2.5 x 5.5 x 9.5 (P206)	4.7 x 13 (black)	.89	.79	.65
2179366	ValuePro	27-1136Bℛ	7	F plug, 2.5 x 5.5 x 9.5 (locking)	6.0 x 25 (black)	3.75	3.49	2.95
2145115	ValuePro	CS1021-B-12MMℛ	1	F plug, 2.5 x 5.5 x 12	4.3 x 12 (black)	.89	.79	.69
147336	ValuePro	PP109Lℛ	1	F plug, 2.5 x 5.5 x 14 (P206L)	4.2 x 12 (black)	.89	.79	.69
168242	ValuePro	PP109Nℛ	3	F plug, 2.5 x 5.5 x 14	3.9 x 22 (black)	.89	.79	.69
2099163	ValuePro	PL-008ℛ	2	F plug, 2.5 x 5.5 x 9.5 (right angle)	2.8 x 11 (black)	.95	.85	.75
101135	ValuePro	JR-1020	4	M plug, — x 2.5 x 11 (P201)	4.3 x 13 (black)	.69	.59	.49
231176	ValuePro	AP-340ℛ	4	M plug, — x 3.5 x 14 (stereo)	4.3 x 13.5 (black)	.79	.69	.55
231167	ValuePro	AP-343	5	M plug, — x 3.5 x 14 (stereo)	4.4 x 13 (metal)	1.49	1.25	.99
231160	ValuePro	PJ1035ℛ	5	M plug, — x 3.5 x 14 (mono)	4.8 x 13.5 (metal)	1.49	1.25	.99
101152	ValuePro	PJ1035ℛ	4	M plug, — x 3.5 x 14.5 (P202)	4.0 x 13 (black)	.69	.59	.49
2200954	ValuePro	JR1037	8	M plug, — x 3.5 x 14.5 (stereo)	4.5 x 12 (black)	1.95	1.75	1.49
2112989	ValuePro	JP1828Cℛ	6	Adapter, 2.1mm M to 1.3mm F (1.3"L)	—	1.59	1.45	1.09
1953591	ValuePro	DCJ2.1-DCP2.5ℛ	6	Adapter, 2.1mm M to 2.5mm F (1.4"L)	—	1.59	1.45	1.09
2113711	ValuePro	JR1827ℛ	6	Adapter, 2.5mm M to 1.7mm F (1.7"L)	—	1.19	1.09	.95
1953604	ValuePro	DCJ2.5-DCP2.1ℛ	6	Adapter, 2.5mm M to 2.1mm F (1.4"L)	—	1.59	1.45	1.09

Fig. 1 Strain Relief Fig. 2
Fig. 3 Hard Plastic Strain Relief Fig. 4 Strain Relief Fig. 5 Metal Strain Relief
Fig. 6 Fig. 7 Fig. 8

DC Extension Power Cables

Part No.	Mfr.	Cross Ref. No.	Description (Barrel) ID x OD x L (mm)	AWG	Color	1	10	100
2099147	ValuePro	DCEXTCORD2.1- 3FTℛ	2.1F x 2.1M x 3' cable	18	Black	$1.95	$1.75	$1.59
2099121	ValuePro	DCEXTCORD2.1- 6FTℛ	2.1F x 2.1M x 6' cable	18	Black	2.49	2.25	1.95
2099155	ValuePro	DCEXTCORD2.5- 3FTℛ	2.5F x 2.5M x 3' cable	18	Black	1.95	1.75	1.59
2099139	ValuePro	DCEXTCORD2.5- 6FTℛ	2.5F x 2.5M x 6' cable	18	Black	2.49	2.25	1.95

Automobile Fused Power Plugs with Cords

- Accepts .25" x 1.25" fuse

115002: Screw assembly with strain relief (no cord)
124760: 3' cord w/ pigtail

Part No.	Fuse	1	10	100
115002	5A/250VACℛ	$2.25	$1.99	$1.79
124760	3A/250VACℛ	2.49	2.25	1.99

Power Cord Adapters — NEW MARKED IN PINK

2188545: Receptacle IEC C14 to plug Nema 5-15R
2188553: Receptacle CEE 7/7 to plug Nema 5-15R

Part No.	Cross Ref. No.	1	10	100
2188545	YL-3215ℛ	$2.95	$2.59	$2.25
2188553	YL-2215ℛ	2.95	2.59	2.25

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS — NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Power

JAMECO ValuePro — DC Cords with Pigtail – 6' length

• 24 AWG   • Color: black

★ Web Code: MFP

Part No.	Cross Ref. No.	Fig.	Description (Barrel) ID x OD x L (mm)	1	10	100
2113674	DCCORD1.3ℛ	1	Plug, 1.3 x 5.5 x 12	$1.15	$.99	$.89
2114706	6FT#245.5X1.7ℛ	1	Plug, 1.7 x 5.5 x 12	1.15	.99	.89
2096763	DCCORD2.1ℛ	1	Plug, 2.1 x 5.5 x 12	1.59	1.39	1.15
2096771	DCCORD2.5ℛ	1	Plug, 2.5 x 5.5 x 12	1.59	1.39	1.15
2114600	6FT#245.5X2.1ℛ	2	Jack, 2.1 x 5.5 x 12	1.59	1.39	1.15
2114597	6FT#245.5X2.5ℛ	2	Jack, 2.5 x 5.5 x 12	1.59	1.39	1.15

Fig. 1
Fig. 2

We specialize in wall adapters. Call for additional OEM pricing.

We are happy to change any listed DC wall adapter power plug to a connector of your choice (pg 101) for just $2.50 each or $4.00 each molded. A 100 pc. minimum order applies.

More Wall Adapters on pages 93-97

JAMECO ValuePro — International Step-Up & Step-Down Transformers

★ Web Code: RAL

Part No.	Cross Ref. No.	Fig.	Type	Volt Step	Primary Voltage	Secondary Voltage	Watts (VA)	H"	W"	D"	Wt. (lbs.)	1	5	25
221331	GIS-500ℛ	A	Isolation	—	120VAC	120VAC	500	4.69	3.75	6.00	16.0	$89.95	$79.95	$69.95
85008	GPC-1003R	A	Auto	Up	120VAC	220VAC	300	3.50	3.05	3.95	4.8	45.95	39.95	34.95
221217	P8689	A	Auto	Up	120VAC	230VAC	1000	4.63	3.75	6.13	17.0	89.95	79.95	69.95
85016	GPC1003	B	Auto	Down	220VAC	120VAC	300	3.50	3.05	3.95	4.8	49.95	44.95	39.95
111851	GPC1005	B	Auto	Down	220VAC	120VAC	500	3.99	3.60	4.84	8.5	69.95	62.95	56.95
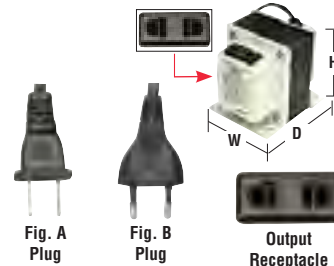
Fig. A Plug **Fig. B Plug** **Output Receptacle**

JAMECO ValuePro — Quick-Connect Power Transformers

• Input voltage: 120/230VAC, 50-60Hz   • Terminals: quick-connect, solder

★ Web Code: BAN

Part No.	Product No.	Triad Cross*	Input Voltage	Output Voltage	Watts (VA)	Size of Connect	L"	W"	H"	Wt. (lbs.)	1	5	25
101864	XFR2424Q	FD724	120/230VAC	24VCT @ 2.4A	57.6	0.141"	2.10	2.70	2.29	1.7	$10.95	$9.49	$8.95
104417	XFR3615Qℛ	FD736	120/230VAC	36VCT @ 1.5A	54.0	0.141"	2.30	2.70	2.30	1.8	17.95	16.95	15.95

*Triad cross is for reference only
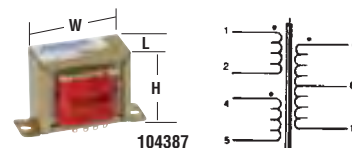
104387

JAMECO ValuePro — Power Transformers (7.6 Watts to 288 Watts)

★ Web Code: PTL

Power transformers have both single and dual-voltage inputs and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

• Primary: 120VAC or 120/230VAC, 50-60Hz

29226

120/230VAC 50-60Hz **Fig. 1**
120VAC 50-60Hz **Fig. 2**
120VAC 50-60Hz **Fig. 3**
120VAC 50-60Hz **Fig. 4**

Part No.	Product No.	Triad Cross#	Primary Color Code		Watts (VA)	Secondary Voltage	Color Code		Lead Type	Fig.	L"	W"	H"	Wt. (lbs.)	1	10	100
105524	XR082-91-Rℛ	—	Black	White* Red	9.0	4.5VCT @ 1A	Blue	Black* Blue	Wire	1	1.82	2.43	1.67	0.7	$11.95	$10.95	$9.95
102163	XFR6102ℛ	F314X	Black	Yellow* Red	7.6	6.3VCT @ 1.2A	White	Black* White	Wire	1	1.84	2.40	1.67	0.8	10.95	9.95	8.95
221400	P-8657ℛ	F218X	Black	— Black	24.0	12VAC @ 2A	White	— White	Wire	2	1.89	2.75	1.99	1.3	11.95	10.95	9.95
221356	P-8658	F219X	Black	— Black	48.0	12VAC @ 4A	White	— White	Wire	2	2.25	4.00	2.63	2.3	12.95	11.95	10.95
2188502	53260	—	Red	— Green	36.0	12VCT @ 3A	Purple	Multi Grey	Wire	4	2.36	2.34	1.94	1.3	9.95	8.95	7.95
104387	XFR1225Q	FD612	—	— —	31.5	12.6VCT @ 2.5A	—	— —	—	1	1.75	2.33	2.00	1.3	12.95	11.95	10.95
29226	XFR122ℛ	F44X	Yellow	— Yellow	25.2	12.6VCT @ 2A	Blue	Red* Black	Wire	3	2.41	2.79	1.99	1.5	13.95	12.49	10.95
102155	XFR1220ℛ	F344X	Black	Yellow* Red	25.2	12.6VCT @ 2A	White	Black* White	Wire	1	2.35	2.32	1.97	1.5	13.95	12.49	10.95
149771	XFR1240ℛ	F3181U	Black	Red* Yellow	50.4	12.6VCT @ 4A	White	Black* White	Wire	1	2.45	3.20	2.25	2.2	14.95	13.49	10.95
102121	XFR124ℛ	F181U	Black	— Black	50.4	12.6VCT @ 4A	White	Black* White	Wire	3	2.45	3.21	2.26	2.7	14.95	13.49	10.95
105532	XFR1810ℛ	—	Blue	Red* Black	18.0	18VCT @ 1A	Yellow	Black* Yellow	Wire	1	2.20	2.81	1.99	1.2	11.95	10.95	9.95
149957	XFR1820ℛ	—	Black	Red* Yellow	36.0	18VCT @ 2A	White	Black* White	Wire	1	2.25	3.15	2.71	1.8	12.95	11.95	10.95
112513	XFR242Nℛ	F229X	Black	— Black	48.0	24VAC @ 2A	White	— White	Wire	2	2.33	3.16	2.28	1.8	13.95	12.49	10.95
221382	P8396ℛ	—	Black	— Black	9.6	24VCT @ 0.4A	White	Black* White	Wire	3	1.63	2.80	1.97	0.6	9.95	8.95	7.95
102112	XFR2410ℛ	F346X	Black	Yellow* Red	24.0	24VCT @ 1A	White	Black* White	Wire	1	2.41	2.80	1.99	1.5	10.95	9.95	7.95
221373	P-8662ℛ	F192X	Black	— Black	48.0	24VCT @ 2A	White	Black* White	Wire	3	2.44	3.60	2.23	2.3	13.95	12.49	10.95
221365	P-8663ℛ †	F193U	—	— —	96.0	24VCT @ 4A	—	— —	Lug	3	2.81	2.94	4.00	4.0	25.95	23.95	21.49
99654	XFR242ℛ	—	Red	— Red	49.2	24.6VCT @ 2A	Blue	Yellow* Blue	Wire	3	2.44	3.22	2.30	2.5	12.95	11.49	9.95
102104	XFR2520ℛ	F341X	Black	White* Red	50.4	25.2VCT @ 2A	Orange	Black* Orange	Wire	1	2.45	3.22	2.26	2.8	12.95	11.49	9.95
149797	XFR2820ℛ	F3185U	Black	Red* Yellow	56.0	28VCT @ 2A	White	Black* White	Wire	1	2.45	3.22	2.26	2.3	13.95	12.95	10.95

* Center tap   # Triad cross is for reference only   † Solder terminal

★ Audio Transformers — Enter Web Code SAJ   ★ Variable Transformers — Enter Web Code MAR   ★ DC Power Plugs & Adapters — Enter Web Code MFP

Power (side tab)

JAMECO ValuePro
Split-Bobbin Power Transformers (2.5 to 20VA)

★ Web Code: LBK

Non-concentrically wound w/ primaries & secondaries side-by-side providing low capacitive coupling.
- Primary: 120/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement

221292

Part No.	Cross Ref. No.	Triad Cross*	Input Voltage	Watts (VA)	Individual Output	Parallel Output	Series Output	Dimensions			Wt. (lbs.)	Pricing		
								L"	W"	H"		1	10	100
221292	DSW-312	FS12200	120/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	$6.95	$6.25	$5.59
102593	SPW-2304𝓡	FS24500	120/230	12	12V @ .50A	12V @ 1.0A	24VCT @ .50A	2.00	2.50	1.06	0.7	7.95	6.95	6.25
2183402	SPW-1304	—	120/230	20	12V @ .85A	12V @ 1.66A	24VCT @ .83A	1.88	2.25	1.57	1.0	7.95	6.95	5.95

*Triad cross is for reference only

JAMECO ValuePro
PC Mount Modem Coupling Transformer
- Core type: EI-14
- Insulation resistance: 100MΩ
- ±20% impedance matching and DC resistance matching
- Hipot tested: 1000VAC • Vacuum wax impregnated

Part No.	Cross Ref. No.	Impedance (Ω)		Resistance (Ω)		Pricing		
		Primary	Secondary	Primary	Secondary	1	10	100
125357	XFR6006A14𝓡	600CT	600CT	65	55	$4.49	$3.95	$3.75

TRIAD Low Frequency Current Sensing Transformer

May be used to monitor current 0.1-30A @ frequencies 50-400Hz.
- Turns ratio: 1:500 • Typical output: 110mV/amp
- Hi-pot: 500V • Burden resistor: 60Ω

Part No.	Mfr. Part No.	Sen DCR	Primary DCR	1	10	100
627591	CSE187L	21Ω max.	250µΩ max.	$5.49	$4.95	$3.59

5-Position Low Voltage Distribution Block
- Dual (neg./pos.) input terminals on each end for parallel "add-on" capability
- Negative and positive bus bar for efficient power distribution
- Up to 20 amps per fuse / 75 amps per block
- Uses standard ATC/ATO automotive fuses (not included)

Part No.	Mfr. Part No.	Dimensions (W x D x H)	1	5	25
2179631	DB-5𝓡	3.5" x 2.5" x 1.5"	$35.95	$33.95	$31.95

TRIAD PC Mount Audio Transformer
- Impedance matching: 10% over frequency range
- 6-pin PC mount • Output: 100mW
- Impedance (Ω): 600CT/600CT
- Primary DC Unbalance: 15mA

Part No.	Mfr. Part No.	Dimensions (W x D x H)	1	10	100
630459	TY-145P𝓡	13/16" x 9/32" x 5/8"	$4.49	$3.95	$3.49

JAMECO ValuePro
Current Sensing Transformer
- Frequency range: 10-50 kHz
- Inductance: 5mH
- Sensitivity current (I_{in}): 1A
- Terminating resistor: 50Ω
- Turns: 60
- Sensitivity voltage (V_{out}): 1V
- Max. current: 300mA

Part No.	Cross Ref. No.	Dimensions (W x D x H)	1	10	100
164718	MTC30101	0.7" x 0.46" x 0.8"	$2.95	$2.59	$2.25

JAMECO ValuePro
320VA Variable AC Transformer
- Input voltage: 110VAC @ 50-60Hz • Max. current: 2.5A
- Matching input/output terminals: P/N 103668 & 109112 (disconnect .25" solderless terminals), pg 66
- Panel mount • One-year warranty • Shaft length: 0.5"

Includes: 3 disconnect .25" solderless terminals

Part No.	Cross Ref. No.	Weight	Size (Dia. x H)	1	5	25
149324	PSV-203-R𝓡	2.5 lbs.	2.8" x 2.1"	$64.95	$59.95	$54.95

JAMECO ValuePro
500 to 2000VA Variable Transformers

121276

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/European output plugs
- Lighted on/off power switch

Part No.	Fuse	Size (W" x D" x H")	Wt. (lbs.)
121276	3A/250V (P/N 69439)	5.3 x 7.3 x 7.0	10.4
129008	5A/250V	9.4 x 6.5 x 7.7	14.8
152582	10A/250V (P/N 69462)	9.0 x 7.0 x 7.7	19.8

Part No.	Description	1	5
121276	500VA transformer𝓡	$139.95	$129.95
129008	1000VA transformer𝓡	169.95	154.95
152582	2000VA transformer𝓡	224.95	199.95

JAMECO ValuePro
In-Car USB Charger/Adapter
- Input voltage: 12VDC to 24VDC
- Output voltage: 5VDC @ 600mA
- Output connector: USB type A
- LED indicator for power
- Overall length: 2"

Part No.	Cross Ref. No.	1	10	100
2158320	CC001-BLK𝓡	$3.95	$3.59	$2.95

★ Audio Transformers — Enter Web Code SAJ

★ Variable Transformers — Enter Web Code MAR

JAMECO ValuePro
300VA Isolation Transformer 120VAC to 120VAC
- Input connector: 5.5' cord with 2-prong plug
- Output volt.: 120VAC @ 2.5A (isolated)
- Input voltage: 120VAC @ 60Hz
- Size: 3.2"W x 4.6"D x 4.2"H • Weight: 7.0 lbs.

Part No.	Cross Ref. No.	1	5	25
181315	ITR300	$49.95	$44.95	$39.95

International Step-Up/Step-Down Autotransformer
- Input volt.: 110/200/220/240V
- Output voltage: 110/220V
- Power: 80 watts continuous/ 100 watts intermittent
- Two free spare fuses • On/off switch
- European to US adapter on power cable
- Universal European/US output receptacles
- Dimension: 5.2"L x 3.7"W x 3.5"H • Fuse protected

Part No.	Mfr. Part No.	1	5	25
2082599	VC-100	$13.95	$12.95	$11.95

6kV-7.4kV High Voltage Power Supply
- Input voltage range: 113VAC to 132VAC
- Input lead wires: 22 AWG UL1015, 7.5"L; AC hot (black), AC COM (white), HV RTN (green) • Output voltage: 6.0kV to 7.4kVA
- Output lead wires: 22 AWG UL3239, 10" (pink)
- UL94V-0 rated encapsulant filled epoxy • Size: 3.0"L x 1.2"W x 1.0"H

Part No.	Mfr. Part No.	Description	1	10	50	100
2100136	CS2080A3	High voltage power supply	$5.95	$4.95	$3.95	$2.95

EMI Suppression Cores with Case

Reduce Electromagnetic Interference (EMI) with a snap of these suppression cores around a power cord or data cord. Easy to install and an affordable way to reduce EMI without redesigning your product.

218174   **1952901**

- Impedance at 100MHz between 75-225Ω min.
- Color: black

Round JAMECO ValuePro

Part No.	InDia.	OutDia.	Length	1	10	100
218174𝓡	.20"	.64"	1.15"	$1.25	$.99	$.75
217842𝓡	.34"	.78"	1.40"	1.49	1.25	.99
2081810	.38"	1.0"	0.65"	.69	.59	.49

Square Laird

Part No.	InDia.	Width	Height	Length	1	10	100
2094987𝓡	.20"	.55"	.59"	1.40"	$.89	$.75	$.59
1952901	.25"	.70"	.77"	1.30"	.69	.59	.49

MADE IN USA

Power

JAMECO ValuePro — DELTA — EMI Power Entry Filters (IEC Connector), Line Filters & AC Receptacles (IEC 320)

Overall Length A | 1.10"W | .815"H

Fig. 1 (Faston) | **Fig. 2** | **Fig. 3 (Right Angle)** — Mtg Holes D | **Fig. 4 (Faston)** | 1.35"H | **Fig. 5** | **Fig. 6** | **Fig. 7** | **Fig. 8** | **Fig. 9 (6-32 Panel Mount)** — D: 1.58" Mtg Screw Holes | **Fig. 10**

Fig. 11 | **Fig. 12** | **Fig. 13** | **Fig. 14** | **Fig. 15** | **Fig. 16** | **Fig. 17** | **Fig. 18** | **Fig. 19** | **Fig. 20**

★ Web Code: ACR

NEW MARKED IN PINK

Fig. 21 | **Fig. 22** | **Fig. 23** | **Fig. 24**

- Rated voltage: 115/250VAC • Operating frequency: 50/60Hz
- Hipot rating (one minute) line to ground: 2250VDC; line to line: 1450VDC

EMI Power Entry Filter: Maximum leakage current each line to ground:
@ 115VAC 60Hz: 0.20mA @ 250VAC 50Hz: 0.40mA

EMI Line Filter: Maximum leakage current each line to ground:
@ 115VAC 60Hz: 0.25mA; 1.0mA (10000pF) @ 250VAC 50Hz: 0.45mA; 2.0mA (10000pF)

Part No.	Mfr.	Product No.	Description	Fig.	Current (A)	Hipot (VDC)	Terminals	Terminal Size	Agency Approvals	A	B	C	D	1	10	100
1951511	Delta	01GEEG3E (1ED1)†	Power entry filter, straight (screw flanged)	1	1	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	$2.49	$2.25	$1.95
1951529	Delta	01DEEG3V	Power entry filter, rt. angle (screw flanged)	3	1	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	.79	.69	.59
1172613	Tyco	1EGG1-2ℛ	Pwr entry filter, straight, fused (screw flanged)	4	1	2250	Faston	0.25"	UL/CSA/VDE	1.62	1.29	1.44	1.27	.79	.69	.59
2189599	Adam Tech	PLF-1DZ2KRℛ	Pwr entry filter, w/ fuse & switch (screw flanged)	2	1	250	Faston	0.25"	UL/CSA/DVE	1.97	2.56	1.58	1.58	9.95	8.95	7.95
2133683	Schaffner	FN291E-2.5-05	Power entry filter, straight (screw flanged)	6	2.5	1700	Faston	0.25"	—	1.26	2.80	1.10	2.35	2.49	1.95	1.59
107326	Delta	03DEEG3B-Rℛ	Power entry filter, straight (screw flanged)	1	3	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	4.95	4.49	3.95
2178523	Schurter	5110.0343.1	Power entry filter, straight (snap-in)	7	3	2250	Faston	0.25"	UL/CUL	1.42	0.91	1.19	0.80	2.95	2.59	1.95
2114116	Adam Tech	PLF-3PCℛ	Line filter, metal case (PC mount)	8	3	250	Solder	0.039"	UL/CSA/VDE	0.984	0.984	0.787	—	5.95	5.39	4.79
2189581	Adam Tech	PLF-3DZ2KRℛ	Pwr entry filter, w/ fuse & switch (screw flanged)	2	3	250	Faston	0.25"	UL/CSA/DVE	1.97	2.56	1.58	1.58	9.95	8.95	7.95
1954720	Delta	04BEEG3S	Power entry filter, straight, fused (screw flanged)	1	4	2250	Faston	0.25"	UL/CSA/VDE	2.26	1.19	1.26	1.40	1.29	1.09	.79
1811391	Delta	06A2Dℛ	Power entry module (snap-in)	21	4	2250	Faston	0.25"	UL/CSA/VDE	2.65	2.50	1.06	1.11	6.95	6.25	5.59
1951570	Delta	05DRDG3S (5ER7)†	Power entry filter, 6-32 threaded panel mount	9	5	2250	Faston	0.25"	UL/CSA/VDE	3.15	1.97	1.28	1.58	1.95	1.79	1.59
2114124	Adam Tech	PLF-6DZ2KRℛ	Pwr entry filter, strght, fuse & sw. (scrw flngd)	10	6	250	Faston	0.25"	UL/CSA/VDE	1.968	2.559	2.394	1.154	9.95	8.95	7.95
1951588	Delta	06DEEG3V	Power entry filter, right angle (screw flanged)	3	6	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	1.79	1.45	1.25
2197871	Delta	06BENG3Gℛ	Power entry filter, male (snap-in)	23	6	2250	Faston	0.32"	UL/CSA/VDE	0.30	1.90	1.10	1.70	8.95	7.95	6.95
1172672	Corcom	IVB3ℛ	Line filter (flange mount)	5	10	2250	1.5" Wire	Wire	UL/CSA/VDE	0.96	1.82	0.66	2.53	7.95	6.95	5.95
1951596	Delta	10GEEG3C†	Power entry filter, straight (screw flanged)	1	10	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	2.95	2.59	2.25
2178507	ValuePro	6100-4115	AC power inlet, male (snap-in)	15	10	250	Solder	0.14"	UL/CSA/VDE	1.19	0.91	1.06	0.77	.49	.45	.39
117445	ValuePro	0717ℛ#	AC power inlet, male w/ fuse chamber (snap-in)	17	10	250	Faston	0.187"	UL/CSA/VDE	1.18	1.30	1.05	1.20	1.95	1.79	1.59
265528	ValuePro	WS-044ℛ#	AC power inlet, male w/ fuse chamber (screw)	18	10	250	Faston	0.187"	UL/CSA/VDE	1.40	1.28	1.06	1.21	1.75	1.49	1.25
2197880	Delta	10DRCS5ℛ	Power entry filter (flange mount)	24	10	2250	Threadpost	0.164"	UL/CSA/VDE	3.87	1.52	2.94	1.21	13.95	12.49	11.95
2189521	Adam Tech	IEC-GS-1-150ℛ	Pwr entry filter, w/ fuse & switch (snap-in)	22	15	250	Faston	0.187"	UL/CSA/DVE	1.20	1.97	1.06	1.83	2.95	2.75	2.49
1951617	Delta	15DEEG3HA(D)	Power entry filter, straight (screw flanged)	1	15	2250	Faston	0.25"	UL/CSA/VDE	2.42	1.19	0.87	1.58	3.95	3.59	3.19
2189564	Adam Tech	NEMA-5-1-Aℛ	AC pwr inlet, NEMA fem, angled GND pin (snap-in)	11	15	125	Faston	0.25"	UL/CSA/DVE	1.06	1.06	0.70	0.85	.99	.85	.69
2189572	Adam Tech	NEMA-5-1-Bℛ	AC pwr inlet, NEMA fem, straight GND pin (snap-in)	11	15	125	Faston	0.25"	UL/CSA/DVE	1.06	1.06	0.70	0.85	.99	.85	.69
2114095	Adam Tech	NEMA-5-2ℛ *	AC power outlet, NEMA receptacles (snap-in)	11	15	125	Fork	0.25"	UL/CSA/VDE	1.063	1.063	0.70	0.866	.99	.85	.69
147901	ValuePro	701Rℛ	AC power inlet, male (screw flanged)	12	15	250	Faston	0.187"	UL/CSA/VDE	1.97	0.76	1.06	1.58	1.09	.99	.79
16652	ValuePro	JR101ℛ	AC power inlet, male (screw flanged)	12	15	250	Faston	0.25"	UL/CSA/VDE	1.97	0.76	1.06	1.58	1.09	.99	.79
2133712	Schurter	VSP1.8101.1	AC pwr inlet, M R/A (screw flanged, PC mount)	13	15	250	Solder	0.05"	UL/CSA/VDE	1.96	1.09	1.09	0.78	.39	.35	.29
2114010	Adam Tech	IEC-A-4ℛ	AC pwr inlet, M R/A (screw flanged, PC mount)	13	15	250	Solder	0.071"	UL/CSA/VDE	1.97	0.89	1.06	0.76	.39	.29	.19
2178494	ValuePro	EAC-324	AC power inlet, male, straight (screw flanged)	14	15	250	Solder	0.16"	UL/CSA/VDE	1.96	0.89	1.09	1.09	.49	.45	.39
2178515	ValuePro	EAC-409	AC power inlet, male (snap-in)	15	15	250	Solder	0.16"	UL/CSA/VDE	1.22	0.94	1.06	0.78	.79	.69	.59
147109	ValuePro	42R02	AC power inlet, male (snap-in)	16	15	250	Faston	0.25"	UL/CSA/VDE	1.23	0.95	1.04	0.77	1.09	.99	.79
2095525	ValuePro	IEC-GS-1-100#	AC pwr inlet, male w/ sw. & fuse folder (snap-in)	15	15	250	Faston	0.187"	UL/CSA/VDE	1.20	1.97	0.77	1.83	2.95	2.75	2.49
1954640	ValuePro	K2415	AC power inlet, female (snap-in)	19	15	250	Faston	0.187"	UL/CSA/VDE	1.38	0.98	1.26	1.10	.49	.39	.29
1954658	ValuePro	K2414	AC power inlet, female (screw flanged)	20	15	250	Faston	0.187"	UL/CSA/VDE	1.97	1.14	1.26	0.95	1.75	1.49	1.25
2157546	Adam Tech	IEC-GS-1-200ℛ	AC pwr fused inlet, male w/ switch (snap-in)	2	15	250	Faston	0.187"	UL/CSA/VDE	1.07	1.97	1.06	1.83	2.49	2.25	1.95

† High Performance; Increased filtering; Added bleeded resistor; More safety agencies   * For 14-16 AWG wire   # Includes spare fuse holder – fuse type 5mm x 20mm (250V)

★ Web Code: XAQ

JAMECO ValuePro — International Power Cords

- 3-conductor detachable power cords
- Excellent resistance to jacket abrasion
- Cord color: black; except P/N 172195: grey
- BSI: British Standard Institution
- Cord type: H05VVF
- Voltage rating: 300V

Fig. 1 (Straight) | **Fig. A**

Fig. 2 (Right Angle, Fused) | **Fig. 3**

European Agency Approvals

Part No.	Cross Ref. No.	Country	Agency Approvals	Plug Fig.	Cord Length	Conductors	1	10	100
117911	2171H576ℛ	Europe	All	1/A	6 ft.	3/0.75mm	$4.95	$4.49	$3.95
174633	21071H5182ℛ	UK/Ireland	BSI	2/A	8 ft.	3/1.0mm	6.95	6.25	5.59
172195	8120-6979ℛ	Italy	All	3	6 ft.	3/1.0mm	.99	.89	.79

| Germany	VDE		France	LCIE	
Austria	OVE		Netherlands	KEMA	
Belgium	CEBEC		Norway	NEMKO	
Denmark	DEMKO		Sweden	SEMKO	
Finland	FIMKO		Switzerland	SEV	

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Line Cord w/ Pigtail (Fig. 1)
w/ Strain Relief (Fig. 1A)

Laptop Power Cord (Fig. 2)

AC Plug Fan Power Cord (Fig. 3)

Straight (A)
45° (B)

Power Cord w/ Pigtail (Fig. 4)

Detachable Power Cord (Fig. 5)

(Fig. 6A)   (Fig. 6B)
Computer Power Supply Extension Cord (Fig. 6)

910 Plug (A)   386 Plug (B)
Straight or Right Angle w/ Pigtail (Fig. 7)

Fig. A   Fig. B
Right Angle Detachable Power Cord (Fig. 8)

Hospital Grade Power Cord (Fig. 9)

Computer Monitor Power Adapter Cord (Fig. 10)

Detachable Power Strip Saver (Fig. 11)

Example (Fig. 11)

22" Overall Length
6" (2)
Power Strip Saver II (Fig. 12)   Example (Fig. 12)

2' (2)
4' Overall Length "Y" Twin End (Fig. 13)

Mickey Mouse™ Style Power Cord (Fig. 14)

Plug Detail – Industry Standard Designations

290B   910   386A/386E   150

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

2 & 3-Conductor Fan, Pigtail, Detachable & Hospital Grade Power Cords

- Molded connectors
- Excellent resistance to jacket abrasion
- Voltage rating: 300 volts
- Temperature: -20°C to +60°C

★ **Web Code: UBF**

2-Conductor Line Cords with Pigtail

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
2120188	444010-4	JVP	.15	1A	4'	Black	18/2	SPT-2	$1.95	$1.75	$1.49	$1.25
124434	ST008ℛ	JVP	.16	1	6'	Black	18/2	SPT-2	2.49	2.25	1.95	1.75
42042	SY-001-Rℛ	JVP	.18	1A	6'	Black	18/2	SPT-2	2.95	2.75	2.49	2.25

2-Conductor "8" Style Power Cords for Laptops and Power Supplies

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
2151195	123855-1ℛ	JVP	.15	2	3'	Black	18/2	SPT-2	$1.25	$1.09	$.95	$.85
355944	VW-1G	JVP	.30	2	6'	Gray	18/2	SPT-2	1.95	1.75	1.49	1.25
189587	VW-1ℛ	JVP	.30	2	6'	Black	18/2	SPT-2	2.95	2.69	2.39	2.19

2-Conductor AC Plug Fan Power Cords

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
1952572	FACSℛ	JVP	.40	3A	6'	Black	18/2	SPT-2	$3.95	$3.59	$3.19	$2.49
1952581	FAC45ℛ	JVP	.40	3B	6'	Black	18/2	SPT-2	4.95	4.59	3.95	3.49

3-Conductor Power Cords with Pigtail (Unshielded) 290 Plug

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
38009	17237ℛ	JVP	.31	4	6'	Gray	18/3	SVT	$3.79	$3.39	$2.95	$2.79
2158258	17236SRℛ#	JVP	.35	4	6'	Black	18/3	SVT	3.49	3.09	2.75	2.49
37997	17236ℛ	JVP	.30	4	6'	Black	18/3	SVT	4.95	4.49	3.95	3.59
173810	17405ℛ	JVP	.14	4	6'	Gray	18/3	SJT	4.95	4.49	3.95	3.59
159410	17405Bℛ	JVP	.37	4	6'	Black	18/3	SJT	4.95	4.49	3.95	3.59
38025	17238ℛ	JVP	.42	4	8'	Black	18/3	SVT	5.95	5.49	4.95	4.49
102007	17535Bℛ†	JVP	.49	4	10'	Black	18/3	SVT	5.95	5.49	4.95	4.49
196286	LL40378ℛ	JVP	.80	4	10'	Black	16/3	SJT	7.95	6.95	5.95	4.95
166925	17516ℛ	JVP	.41	4	6'7"	Black	14/3	SJT	9.95	8.95	7.95	6.95
100272	17629Bℛ	JVP	.88	4	9'	Black	14/3	SJT	9.95	8.95	7.95	6.95

3-Conductor Detachable Power Cords (Unshielded) 290B/386A Plugs

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
2081801	17002Aℛ	JVP	.36	5	1'	Black	18/3	SVT	$2.95	$2.65	$2.39	$1.95
2172834	LL11094B	JVP	.16	5	1.5'	Black	18/3	SVT	2.49	1.95	1.75	1.59
2082425	17000A	JVP	.35	5	3'	Black	18/3	SVT	3.25	2.95	2.59	2.29
38041	17249ℛ	JVP	.37	5	6'	Beige	18/3	SVT	3.49	2.95	2.49	1.95
2205587	17250Fℛ§	JVP	.37	5	6'	Black	18/3	SVT	4.49	4.25	3.75	3.29
38050	17250ℛ	JVP	.36	5	6'	Black	18/3	SVT	4.95	4.49	3.95	3.59
132118	17500ℛ	JVP	.44	5	6'	Black	18/3	SJT	4.95	4.49	3.95	3.25
1585637	171096	JVP	.60	5	8'	Black	18/3	SVT	4.95	4.49	3.95	3.59
102024	17501Vℛ	JVP	.55	5	10'	Black	18/3	SVT	5.95	5.69	5.39	4.95
163361	6952299	JVP	.75	5	14'	Black	18/3	SVT	7.95	6.95	6.25	5.59
2145051	177323	JVP	.70	5	15'	Black	18/3	SVT	5.95	4.95	4.49	3.95
2188650	LL81924ℛ	JVP	.72	5	8'	Gray	18/3	SVT	4.95	3.95	3.49	2.95
340291	17001Aℛ	JVP	.31	5	3'	Black	18/3	SVT	4.95	4.59	3.95	3.49
2126053	LL76932§	JVP	.52	5	6'	Black	16/3	SJT	3.95	2.95	2.49	1.95
159361	17602	JVP	.52	5	6'	Black	16/3	SJT	6.95	5.95	5.35	4.79
1537230	LL34877	JVP	.72	5	8'	Black	16/3	SJT	7.95	6.95	6.25	5.59
125541	17504ℛ	JVP	.72	5	6'7"	Black	14/3	SJT	7.95	7.19	6.49	5.79
2172981	1181924	JVP	.95	5	10'	Black	14/3	SJT	8.95	7.95	6.95	5.95

.55" x .62" strain relief **†** European standard insulation color code **§** RFI filter on cord

3-Conductor Detachable Power Cords (Shielded) 290B/386A Plugs

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
213874	17660BG	JVP	.40	5	6'	Beige	18/3	SVT	$4.25	$3.79	$3.49	$2.95
161761	17742	SLA	.40	5	6'	Black	18/3	SVT	4.49	3.95	3.59	2.95

3-Conductor Computer Power Supply Extension Cords (150/386A/910 Plugs)

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
2125317	LL90989	JVP	.15	6B	1'6"	Black	18/3	SVT	$1.39	$1.25	$1.15	$1.05
206172	PEC-3ℛ	JVP	.22	6A	3'	Black	18/3	SVT	2.49	1.95	1.75	1.49
319804	LR94903	JVP	.82	6A	6'	Gray	18/3	SVT	1.75	1.59	1.35	1.09
28468	PEC	JVP	.36	6A	6'	Black	18/3	SVT	3.95	3.55	3.19	2.79
2133595	PEC-SJT	JVP	.36	6A	6'	Black	18/3	SJT	4.95	4.49	3.95	3.49
420224	10W1-02212	JVP	.53	6A	12'	Black	18/3	SVT	5.95	5.39	4.79	4.25

3-Conductor Power Cords with Pigtail (Unshielded) 910 or 386 Plug

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
340056	17537ℛ	JVP	.37	7A	9'10"	Black	18/3	SJT	$1.95	$1.85	$1.69	$1.45
340099	17539ℛ	JVP	.80	7A	9'10"	Black	16/3	SJT	1.95	1.85	1.69	1.45

3-Conductor Power Cord with Pigtail (Shielded) 910 Plug

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
339995	72WV866SSDℛ	JVP	.49	7A	6'7"	Black	18/3	SVT	$1.95	$1.75	$1.49	$1.35

3-Conductor Right Angle Detachable Power Cords (Unshielded) 290B/910 Plugs

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
117357	8120-6177ℛ	JVP	.41	8B	6'	Gray	18/3	SVT	$3.95	$3.55	$3.19	$2.79
38077	17250Rℛ	JVP	.54	8B	6'	Black	18/3	SVT	3.95	3.55	3.19	2.79
2099999	E88265	JVP	.82	8A	8'	Black	18/3	SVT	1.95	1.75	1.49	1.09
177384	17507ℛ	JVP	.28	8B	10'	Black	18/3	SVT	4.95	4.49	3.95	3.49

3-Conductor Right Angle Detachable Power Cord (Shielded) 290B/910 Plugs

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
173252	17745ℛ	JVP	.16	8B	6'7"	Black	18/3	SVT	$5.95	$5.39	$4.79	$4.25

3-Conductor Hospital Grade Power Cords (green dot)

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
2115434	LL39965	JVP	.75	9	10'	Gray	18/3	SJT	$5.95	$5.25	$4.59	$3.95
132011	17006Gℛ	JVP	.82	9	10'	Gray	16/3	SJT	10.95	9.95	8.95	7.95

3-Conductor Computer Monitor Power Adapter Cord (150/386 Plugs)

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
177448	MPC1ℛ	JVP	.16	10	1'	Black	18/3	SVT	$2.95	$2.69	$2.39	$2.19

3-Conductor Detachable Power Cords (Power Strip Saver) 290B/386 Plugs

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
208339	P55-BRℛ	JVP	.16	11	1'	Beige	18/3	SVT	$2.95	$2.69	$2.39	$2.15
199778	PSS-1ℛ	JVP	.16	11	1'	Black	18/3	SVT	2.95	2.69	2.39	2.15

3-Conductor Power Cord ("Y" Type Power Strip Saver II) 290B/386 (2) Plugs

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
208347	121-2594ℛ	ZTK	.38	12	22"	Black	16/3	SJT	$8.95	$7.95	$7.49	$6.95

3-Conductor Power Cord ("Y" Twin End) 150/386 (2) Plugs

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
340566	17268Aℛ	JVP	.32	13	4'	Black	18/3	SJT	$6.95	$6.25	$5.59	$4.95

3-Conductor "Mickey Mouse" Style Power Supply Cords

Part No.	Product No.	*Mfr.	Wt.	Fig.	Length	Color	AWG/Cond	Cord Type*	1	10	50	100
1953559	MMFLAT	MWL	.40	14	6'	Black	18/3	SPT-2	$2.59	$2.25	$1.95	$1.59
1951123	MMPCℛ	MWL	.40	14	6'	Black	18/3	SVT	2.95	2.59	2.29	1.95

* Thermoplastic Cord Jacket Type: SPT-2 (Flat): Junior duty; SVT (Round): Light service; SJT (Round): Junior service

° JVP = Jameco ValuePro | MWL = Mean Well | SLA = Sola | ZTK = Ziotek

★ For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Power

For special versions and large quantities call us at 1-800-831-4242

3 LEVELS OF SAVINGS — NAME BRANDS · HOUSE BRANDS · SPECIAL BUY

Open-Frame Switching AC-to-DC Power Supplies

★ Web Code: OSP

- Universal AC input/full range • Two-year warranty • Short-circuit, overload and overvoltage protection
PFC Model: • Built-in active Power Factor Correction function, power factor >0.93 • Three-year warranty

Complete specifications available online

PPS-125   LPP-150

Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Power	Input (VAC @ Hz)	Size (L"xW"xH")	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing 1	Pricing 10
Single Output														
2188692	TDK-Lambda𝓡	ZWS5-5	+5V @ 1A	5W	85-265 @ 47-440	3.8x1.8x0.8	3.6x1.5x0.1	120	2.0	1.0	—	UL/CSA/TUV/CE	$10.95	$9.95
2188730	Phihong𝓡	PSA-10L-050	+5V @ 2A	10W	85-264 @ 47-440	4.0x1.8x0.8	3.8x1.6x0.3	80	2.0	1.0	—	UL/CSA/TUV	12.95	11.95
229042	Phihong𝓡	PSA15LN3-050	+5V @ 0-3A	15W	90-264 @ 47-63	4.3x1.6x0.9	4.0x1.3x0.2	50	2.0	1.0	—	UL/CUL/TUV/CE	18.95	17.25
212354	Mean Well𝓡	PS-25-5	+5V @ 0-5A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	80	2.0	0.5	—	UL/CUL/TUV/CE	11.95	10.49
217332	Mean Well𝓡	PS-45-5	+5V @ 0-8A	40W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	100	3.0	1.0	—	UL/CUL/TUV/CE	12.49	11.49
201938	Mean Well𝓡	PS-65-5	+5V @ 0-13.8A	60W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	1.0	4.0	--	UL/CUL/TUV/CE	13.95	12.95
392826	Mean Well𝓡	PS-25-7.5	+7.5V @ 3.3A	24.8W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.14	80	2.0	0.5	—	UL/TUV/EN	11.95	10.49
2188772	UMEC𝓡	UP0401S-09	+9V @ 4.4A	40W	90-264 @ 47-63	4.0x3.0x1.0	3.6x2.6x0.2	100	1.0	1.0	—	UL/CSA/TUV	12.95	11.95
2105666	Mean Well𝓡	PS-15-12	+12V @ 0-1.25A	15W	85-264 @ 47-63	3.7x1.9x1.0	3.4x1.9x0.1	150	0.5	0.5	--	CB/CE	7.95	6.95
148604	Mean Well𝓡	PS-25-12	+12V @ 0-2.1A	25.2W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	100	2.0	0.3	—	UL/CUL/TUV/CE	11.95	10.49
213728	Mean Well𝓡	PS-45-12	+12V @ 0-3.7A	44.4W	90-264 @ 47-63	5.0x3.0x1.1	4.6x2.6x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	12.49	11.49
2205413	Astrodyne𝓡	ASM60-1380	+12V @ 0-5A	60W	100-240 @ 50-60	4.0x2.0x1.7	3.7x1.7x0.1	100	3.0	1.0	—	UL/CUL/TUV/CE	12.95	11.95
148639	Mean Well𝓡	PS-65-12	+12V @ 0-5.2A	62.4W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	1.0	1.0	—	UL/CUL/TUV/CE	13.95	12.95
2099981	ITE	SBU60-105	+12V @ 5.25A	63W	90-264 @ 47-63	5.0x3.0x1.1	4.6x2.6x0.15	120	3.0	0.5	—	UL/CUL/CE	8.95	7.95
374089	Mean Well𝓡	PPS-125-12	+12V @ 0-8.5A	126W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.14	100	1.0	0.5	✔	UL/CUL/TUV/CE	45.95	40.49
213681	Mean Well𝓡	LPP-150-12	+12V @ 0-12.5A	150W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.15	100	1.0	0.5	✔	UL/CUL/TUV/CE	37.95	34.95
374380	Mean Well𝓡	PS-65-13.5	+13.5V @ 0-5.4A	63.5W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.16	100	1.0	1.0	—	UL/CUL/TUV/CE/CB	13.95	12.95
2105674	Mean Well𝓡	PS-15-15	+15V @ 0-1A	15W	85-264 @ 47-63	3.7x1.9x1.0	3.4x1.6x1.0	120	1.0	1.0	—	UL/TUV/CB/CE	4.95	4.49
216769	Mean Well𝓡	PS-25-15	+15V @ 0-1.7A	25.5W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	100	2.0	0.3	—	UL/CUL/TUV/CE	11.95	10.49
216751	Mean Well𝓡	PS-65-15	+15V @ 0-4.2A	63W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	1.0	1.0	—	UL/CUL/TUV/CE	13.95	12.95
216670	Mean Well𝓡	LPP-100-15	+15V @ 6.7A	100W	85-264 @ 47-63	8.7x2.4x1.3	8.3x2.0x0.14	100	0.5	0.5	✔	UL/CUL/TUV/CE	34.95	31.95
2122491	Mean Well𝓡	PLP-20-24	+24V @ 0-0.8A	19.2W	90-277 @ 47-63	5.5x1.3x0.8	5.2x1.0x0.1	300	10.0	3.0	✔	UL/CUL/TUV/CE	14.95	12.95
212346	Mean Well𝓡	PS-25-24	+24V @ 0-1A	24W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	240	2.0	0.2	—	UL/CUL/TUV/CE	11.95	10.49
1919035	Mean Well𝓡	PS-35-24	+24V @ 0-1.5A	36W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	240	2.0	0.2	—	UL/CUL/TUV/CE	12.49	11.49
213720	Mean Well𝓡	PS-45-24	+24V @ 0-1.9A	45.6W	90-264 @ 47-440	4.0x2.0x0.9	3.8x1.8x0.1	200	0.5	0.5	—	UL/CUL/TUV/CE/CB	12.49	11.49
148647	Mean Well𝓡	PS-65-24	+24V @ 0-2.7A	64.8W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	100	2.0	1.0	—	UL/CUL/TUV/CE	13.95	12.95
2129633	Elpac𝓡**	MS6524F	+24V @ 2.7A	65W	100-240 @ 50-60	5.0x3.0x1.2	4.5x2.5x0.2	50	5.0	5.0	—	UL/CSA/TUV/CE	5.95	4.95
244727	Mean Well𝓡	LPS-75-24	+24V @ 0-3.5A	76.8W	90-264 @ 47-63	8.7x2.2x1.2	8.4x1.8x0.2	120	1.0	1.0	—	UL/CUL/TUV/CE	14.95	13.95
173463	Mean Well𝓡	LPS-100-24	+24V @ 0-4.2A	100.8W	88-264 @ 47-63	8.7x2.4x1.3	8.4x2.1x0.1	150	0.5	0.5	✔	UL/CUL/TUV/CE	31.95	28.95
2129684	Elpac𝓡**	MSM7524	+24V @ 4.6A	110.0W	100-240 @ 50-60	5.7x3.4x1.6	5.2x3.4x1.5	240	3.0	1.0	—	UL/CUL/CE	13.95	12.49
301429	Mean Well𝓡	PPS-125-24	+24V @ 0-5.2A	124.8W	90-264 @ 47-63	5.0x3.0x1.4	4.6x2.6x0.1	150	1.0	0.5	✔	UL/CUL/TUV/CE	45.95	40.49
213672	Mean Well𝓡	LPP-150-24	+24V @ 0-6.3A	150W	85-264 @ 47-63	8.7x2.4x1.6	8.3x2.6x0.2	150	0.5	0.5	✔	UL/CUL/TUV/CE	37.95	34.95
668730	Mean Well𝓡	PPS-200-24	+24V @ 0-8.3A	199.2W	90-264 @ 47-440	5.0x3.0x1.4	3.7x7.8x0.14	150	1.0	0.5	✔	UL/CUL/TUV/CE	64.95	54.95
201954	Mean Well𝓡	PS-65-48	+48V @ 0-1.5A	64.8W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.16	100	2.0	1.0	—	UL/CUL/TUV/CE/CB	13.95	12.95
Double Output														
2188617	Powdec	CML0522	+5V @ 0-1.5A; +12V @ 0-0.6A	15W	100-240 @ 50-60	3.5x2.3x1.1	3.1x2.0x0.1	50	4.0	2.0	—	UL/CSA/TUV/CE	$11.95	$10.95
212312	Mean Well𝓡	PD-2505	+5V @ 0.1-3A; -5V @ 0.1-2.5A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.08x0.1	50	4.0	1.0	—	UL/CUL/TUV/CE	16.95	14.95
212338	Mean Well𝓡	PD-25A	+5V @ 0.2-2.5A; +12V @ 0.1-1.5A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.08x0.1	50	1.0	0.5	—	UL/CUL/TUV/CE	13.95	12.49
212330	Mean Well𝓡	PD-25B	+5V @0.2-2A; +24V @ 0.1-1A	25.2W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	1.0	0.5	—	UL/CUL/TUV/CE	13.95	12.49
194862	Mean Well𝓡	PD-45A	+5V @ 0.4-3.2A; +12V @ 0.2-2	40W	90-264 @ 47-440	5.0x2.5x1.5	4.5x2.5x0.2	50	3.0	1.0	—	UL/CSA	14.95	13.49
2197741	Skynet𝓡	SNP-N563	+5V @ 1.0-8A; +3.3V @ 0.5-6A	60W	85-264 @ 47-63	5.0x3.0x1.1	4.6x2.6x0.2	50	3.0	1.0	—	UL	11.95	10.95
194889	Mean Well𝓡	PD-65A	+5V @ 0.4-7A; +12V @ 0.2-3.2A	61.1W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	14.49	13.49
692377	Autec	UPS65-1002	+5V @ 0.5-3.5A; +12V @ 0.1-4A	65W	90-260 @ 47-63	6.0x3.5x1.5	4.8x3.2x0.2	50	2.0	0.5	—	UL/CSA/TUV	13.95	11.95
194897	Mean Well𝓡	PD-65B	+5V @ 0.4-3.5A; +24V @ 0.2-2A	65.5W	90-264 @ 47-440	5.0x3.0x1.7	4.5x2.5x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	16.95	14.95
148690	Mean Well𝓡	PD-2512	+12V @ 0.1-1.2A; -12V @ 0.1-1A	24W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	3.0	0.5	—	UL/CUL/TUV/CE	13.95	12.49
2100857	Mean Well𝓡	PD-25-15	+15V @ 1A, -5V @ 1A	25W	85-264 @ 47-63	4.2x2.4x1.1	3.7x2.1x0.1	50	3.0	0.5	—	UL/CUL/TUV/CE	13.95	12.49
Triple Output														
2081617	Artesyn	NFN40-7607	+5V @ 3A; +12V @ 2A; -5V @ 0.35A	40W	85-264 @ 47-440	5.0x3.0x1.2	4.6x2.6x0.15	50	2.0	1.0	—	UL/CSA/TUV	$7.95	$6.95
2129676	Elpac𝓡**	MSM40D	+5.1V @ 4A; +24V @ 1A; -12V @ 0.4A	40W	100-240 @ 50-60	5.0x3.0x1.1	4.6x2.5x0.2	50	5.0	5.0	—	UL/CUL/CSA/CE	10.95	9.95
229122	Phihong𝓡	PSA4531	+5V @ 0-4A; +12V @ 0-1.5A; -12V @ 0-0.5A	44W	90-264 @ 47-63	5.0x3.0x1.2	4.6x2.6x0.2	50	2.0	1.0	—	UL/CSA/TUV/CE	33.95	31.49
88402	Mean Well𝓡	PT-45B	+5V @ 0.4-3A; +12V @ 0.2-2A; -12V @ 0-0.3A	45W	90-264 @ 47-440	5.0x3.0x1.1	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	16.95	14.95
216734	Mean Well𝓡	PT-65B	+5V @ 0.4-5.5A; +12V @ 0.2-2.5A; -12V @ 0-0.5A	63.5W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	17.95	16.49
216726	Mean Well𝓡	PT-65C	+5V @ 0.4-5.5A; +15V @ 0.2-2A; -15V @ 0-0.5A	65W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	3.0	1.0	—	UL/CUL/TUV/CE	17.95	16.49
215707	Mean Well𝓡	PT-65D	+5V @ 0.5-5A; +12V @ 0.2-4A; +24V @ 0.2-1.3A	68W	90-264 @ 47-440	5.0x3.0x1.7	4.6x2.6x0.2	50	2.0	1.0	—	UL/CUL/TUV/CE	17.95	16.49

* Primary Output   ** Medical rated

𝓡 RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Power

Open-Frame Medical Switching AC-to-DC Power Supplies

- Universal AC input/full range
- 100% full-load burn-in test
- Soft-start circuit, limiting AC surge current
- Short-circuit, overload and overvoltage protection
- Load regulation: ±2.0%
- Line regulation: ±1.0%
- Voltage adjustment: 10%
- Inrush current: 20A @ 120VAC
- 2129633/2129676: ±5% load/line regulation
- Leakage current: 0.3mA @ 240V
- Isolation voltage: 4000VAC
- 2.9 watts/in³ max.
- Working temp.: -10˚C to + 60˚C
- Mating connector: P/N 104732, pg 59
- 2129684: ±1% line, ±3% load regulation

MPS-65

Performance at Value Prices

★ **Web Code: JBK**

Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	10
2205413	Astrodyne℟	ASM60-1380	+12V @ 0-5.0A	60.0W	100-240 @ 50-60	100	UL/CUL/TUV/CE	$12.95	$11.95
221154	Mean Well℟	MPS-65-12	+12V @ 0-5.2A	62.4W	90-264 @ 47-440	100	UL/CUL/TUV/CE	20.95	18.95
2129633	Elpac℟	MS6524F	+24V @ 2.7A	65.0W	85-264 @ 50-60	240	UL/CSA/TUV/CE	5.95	4.95
2129684	Elpac℟	MSM7524F	+24V @ 4.6A	110.0W	90-264 @ 47-63	240	UL/CUL/CE	13.95	12.49
2129676	Elpac℟	MSM40D	+5.1V @ 4A; +24V @ 1A; -12V @ 0.4A	110.0W	90-264 @ 47-63	50	UL/CUL/CSA/CE	10.95	9.95

* Primary Output

Enclosed Switching AC-to-DC Power Supplies

- 100% full-load burn-in test
- Wide AC input range
- Manufacturer warranty varies

Complete specifications available online

★ **Web Code: EPS**

SP-150 **HRPG-150** **HRP-300** **RSP-1500** **NES-75** **SE-600**

Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Power	Size (L" x W" x H")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing 1	10
				Single Output								
2106685	Mean Well℟	RS-15-3.3	+3.3V @ 0-3A	9.9W	2.5 x 2.0 x 1.1	80	2.0	0.5	—	UL/CUL/TUV/CE/CB	$9.95	$8.95
693193	Mean Well℟	RS-25-3.3	+3.3V @ 0-6A	19.8W	3.0 x 2.0 x 1.1	80	2.0	0.5	—	UL/CUL/TUV/CE/CB	11.95	10.95
1919043	Mean Well℟	RS-15-5	+5V @ 0-3A	15W	2.5 x 2.0 x 1.1	80	1.5	0.5	—	UL/CUL/TUV/CE/CB	9.95	8.95
323282	Mean Well℟	RS-25-5	+5V @ 0-5A	25W	3.1 x 2.0 x 1.1	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	11.95	10.95
323329	Mean Well	RS-35-5	+5V @ 0-7A	35W	3.9 x 3.2 x 1.4	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	12.95	11.95
123290	Mean Well℟	S-40-5	+5V @ 0-8A	40W	5.1 x 3.9 x 1.5	75	1.0	0.5	—	UL/CUL/TUV/CE/CB	21.95	19.95
323388	Mean Well℟	RS-50-5	+5V @ 0-10A	50W	3.9 x 3.8 x 1.4	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	14.49	13.49
323581	Mean Well	RS-75-5	+5V @ 0-12A	60W	5.1 x 3.8 x 1.5	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	17.95	15.95
323708	Mean Well	RS-100-5	+5V @ 0-16A	80W	6.3 x 3.8 x 1.5	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	23.95	21.95
194791	Mean Well℟	SP-100-5	+5V @ 0-20A	100W	7.0 x 3.9 x 1.8	100	1.0	0.5	✔	UL/CUL/TUV/CE/CB	39.95	35.95
323821	Mean Well	RS-150-5	+5V @ 0-26A	130W	7.8 x 3.9 x 1.5	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	24.95	22.49
123394	Mean Well℟	S-150-5	+5V @ 0-30A	150W	7.0 x 4.3 x 2.0	150	0.5	0.5	—	UL/CUL/TUV/CE/CB	34.95	31.95
201912	Mean Well℟	SP-150-5	+5V @ 0-30A	150W	7.0 x 3.9 x 2.0	100	1.0	0.5	✔	UL/CUL/TUV/CE/CB	42.95	38.95
202042	Mean Well℟	SP-200-5	+5V @ 0-40A	200W	7.0 x 3.9 x 2.0	100	1.0	0.5	✔	UL/CUL/TUV/CE/CB	49.95	44.95
244735	Mean Well℟	SP-320-5	+5V @ 0-55A at 230VAC; 0-44A at 115VAC	275W	8.5 x 4.5 x 2.0	150	1.0	0.5	✔	UL/CUL/TUV/CE/CB	61.95	55.95
2149562	Mean Well	SE-350-5	+5V @ 0-60A	300W	8.5 x 4.5 x 2.0	150	2.0	0.5	—	UL/CUL	43.95	39.95
693644	Mean Well℟	SP-480-5	+5V @ 0-85A	425W	10.9 x 5.0 x 1.7	80	1.0	0.5	✔	UL/CUL/TUV/CE/CB	134.95	119.95
374002	Mean Well	SE-600-05	+5V @ 0-100A	500W	9.7 x 5.0 x 2.5	150	2.0	0.5	—	UL/CUL	89.95	79.95
693661	Mean Well℟	SP-750-5	+5V @ 0-120A	600W	10.9 x 5.0 x 2.5	120	2.0	0.5	✔	UL/CUL/TUV/CE/CB	204.95	189.95
123415	Mean Well℟	S-150-7.5	+7.5V @ 0-20A	150W	7.0 x 4.3 x 2.0	150	0.5	0.5	—	UL/CUL/TUV/CE/CB	34.95	31.95
394215	Mean Well℟	SP-320-7.5	+7.5V @ 0-40A	300W	8.5 x 4.5 x 2.0	150	1.0	0.5	✔	UL/CUL/TUV/CE/CB	61.95	55.95
1919051	Mean Well℟	RS-15-12	+12V @ 0-1.3A	15.6W	2.5 x 2.0 x 1.1	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	9.95	8.95
323300	Mean Well℟	RS-25-12	+12V @ 0-2.1A	25.2W	3.0 x 2.0 x 1.1	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	11.95	10.95
123255	Mean Well℟	S-25-12	+12V @ 0-2.1A	25.2W	3.9 x 3.8 x 1.4	100	0.5	0.5	—	UL/TUV/CE	18.95	16.95
323337	Mean Well℟	RS-35-12	+12V @ 0-3A	36W	3.9 x 3.2 x 1.4	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	12.95	11.95

* Primary Output

AC-to-DC REGULATED & UNREGULATED LINEAR & SWITCHING TABLE-TOP POWER SUPPLIES

1940547

Industry Low Prices! See pages 98-100

2172797

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Power

Enclosed Switching AC-to-DC Power Supplies (Continued)

Complete specifications available online

c**UL**us △ CE CB

★ *Web Code: EPS*

• 100% full-load burn-in test • Wide AC input range • Manufacturer warranty varies

PSP-600   RS-25

Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Power	Size (L" x W" x H")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing 1	Pricing 10
			Single Output (Continued)									
123298	Mean Well℞	S-40-12	+12V @ 0-3.5A	42W	5.1 x 3.9 x 1.5	100	0.5	0.5	—	UL/CUL/TUV/CE/CB	$21.95	$19.95
323396	Mean Well℞	RS-50-12	+12V @ 0-4.2A	50.4W	3.9 x 3.8 x 1.4	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	14.49	13.49
123335	Mean Well℞	S-60-12	+12V @ 0-5A	60W	6.3 x 3.8 x 1.5	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	24.95	22.49
323599	Mean Well℞	RS-75-12	+12V @ 0-6A	72W	5.1 x 3.9 x 1.5	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	17.95	15.95
194838	Mean Well℞	SP-75-12	+12V @ 0-6.3A	75.6W	7.0 x 3.9 x 1.3	80	0.5	0.5	✔	UL/CUL/TUV/CE/CB	32.95	29.95
2105017	Mean Well℞	NES-100-12	+12V @ 0-8.5A	102W	6.3 x 3.8 x 1.5	120	0.5	0.5	—	UL/CUL/CE/CB	21.95	19.49
123386	Mean Well℞	S-100F-12	+12V @ 0-8.5A	102W	7.8 x 3.9 x 1.5	125	0.5	0.5	—	UL/TUV/CE/CB	29.95	27.95
323716	Mean Well℞	RS-100-12	+12V @ 0-8.5A	102W	6.3 x 3.8 x 1.5	120	0.5	0.5	✔	UL/CUL/TUV/CE/CB	23.95	21.95
194803	Mean Well℞	SP-100-12	+12V @ 0-8.5A	102W	7.0 x 3.9 x 1.8	100	0.5	0.5	✔	UL/CUL/TUV/CE/CB	39.95	35.95
123423	Mean Well℞	S-150-12	+12V @ 0-12.5A	150W	7.0 x 4.3 x 2.0	180	0.3	0.3	—	UL/CUL/TUV/CE/CB	34.95	31.95
323839	Mean Well℞	RS-150-12	+12V @ 0-12.5A	150W	7.8 x 3.9 x 1.5	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	24.95	22.49
173421	Mean Well℞	SP-150-12	+12V @ 0-12.5A	150W	7.0 x 3.9 x 2.0	100	0.5	0.5	✔	UL/CUL/TUV/CE/CB	42.95	38.95
2094848	Mean Well℞	HRPG-150-12	+12V @ 0-13A	156W	6.3 x 3.8 x 1.5	120	0.5	0.3	✔	UL/CUL/TUV/CE/CB	69.95	63.95
2138839	Globe Tek℞	SP-200-12GL(R)	+12V @ 0-16.7A	200.4W	7.8 x 3.9 x 2.0	100	1.0	0.5	✔	UL/CUL/TUV/CE	19.95	17.95
194774	Mean Well℞	SP-200-12	+12V @ 0-16.7A	200.4W	7.0 x 3.9 x 2.0	100	0.5	0.5	✔	UL/CUL/TUV/CE/CB	49.95	44.95
2101497	Mean Well℞	SP-240-12	+12V @ 0-20A	240W	7.5 x 3.7 x 2.0	150	0.5	0.3	✔	UL/CUL/TUV/CE/CB	51.95	47.95
207204	Mean Well	S-320-12	+12V @ 0-25A	300W	8.5 x 4.5 x 2.0	150	0.5	0.5	—	UL/CUL	69.95	64.95
244743	Mean Well℞	SP-320-12	+12V @ 0-25A at 230VAC; 0-20A @ 115VAC	300W	8.5 x 4.5 x 2.0	150	0.5	0.3	✔	UL/CUL/TUV/CE/CB	61.95	55.95
2102203	Mean Well℞	HRP-300-12	+12V @ 0-27A	324W	7.8 x 4.1 x 1.6	120	0.5	0.3	✔	UL/CUL/TUV/CE/CB	84.95	76.95
2094872	Mean Well℞	HRPG-300-12	+12V @ 0-27A	324W	7.8 x 4.1 x 1.6	120	0.5	0.3	✔	UL/CUL/TUV/CE/CB	94.95	84.95
2149503	Mean Well℞	SE-350-12	+12V @ 0-29A	348W	8.5 x 4.5 x 2.0	150	1.0	0.5	—	UL/CUL	43.95	39.95
2094928	Mean Well℞	SE-450-12	+12V @ 0-37.5A	450W	8.9 x 4.9 x 2.0	200	1.0	0.5	✔	UL/CUL	69.95	62.95
2122319	Mean Well℞	HRP-450-12	+12V @ 0-37.5A	450W	8.6 x 4.1 x 1.6	120	0.5	0.3	✔	UL/CUL/TUV/CE/CB	124.95	114.95
301373	Mean Well℞	SP-480-12	+12V @ 0-40A at 230VAC; 0-36A @ 115VAC	480W	10.9 x 5.0 x 1.7	120	0.5	0.3	✔	UL/CUL/TUV/CE/CB	134.95	119.95
190693	Mean Well℞	SP-500-12	+12V @ 0-40A at 230VAC; 0-34A @ 115VAC	480W	6.7 x 4.7 x 3.7	240	0.5	0.5	✔	UL/CUL/TUV/CE/CB	149.95	134.95
374011	Mean Well	SE-600-12	+12V @ 0-50A	600W	9.7 x 5.0 x 2.5	150	0.5	0.5	—	UL/CUL	88.95	79.95
374214	Mean Well℞	PSP-600-12	+12V @ 0-50A	600W	6.7 x 4.7 x 3.7	240	0.5	0.5	✔	UL/CUL/TUV/CE/CB	134.95	119.95
2094961	Mean Well℞	HRPG-600-12	+12V @ 0-53A	636W	8.6 x 4.1 x 2.5	120	0.5	0.3	✔	UL/CUL/TUV/CE/CB	149.95	134.95
319944	Mean Well℞	SP-750-12	+12V @ 0-62A	750W	10.9 x 5.0 x 2.5	120	0.5	0.3	✔	UL/CUL/TUV/CE/CB	204.95	189.95
202025	Mean Well℞	S-150-13.5	+13.5V @ 0-11.2A	151.2W	7.0 x 4.3 x 2.0	180	0.3	0.3	—	UL/CUL/TUV/CE/CB	34.95	31.95
394193	Mean Well	SP-150-13.5	+13.5V @ 0-11.2A	151.2W	7.0 x 3.9 x 2.0	100	0.5	0.5	✔	UL/CUL/TUV/CE/CB	42.95	38.95
212410	Mean Well℞	SP-200-13.5	+13.5V @ 0-14.9A	201.1W	7.0 x 3.9 x 2.0	100	0.5	0.5	✔	UL/CUL/TUV/CE/CB	49.95	44.95
693599	Mean Well℞	SP-320-13.5	+13.5V @ 0-22A	297W	8.5 x 4.5 x 2.0	150	0.5	0.3	✔	UL/CUL/TUV/CE/CB	61.95	55.95
212389	Mean Well℞	SP-500-13.5	+13.5V @ 0-36A at 230VAC; 0-30.6A @ 115VAC	486W	6.7 x 4.7 x 3.7	240	0.5	0.5	✔	UL/CUL/TUV/CE/CB	149.95	134.95
2106079	Mean Well℞	PSP-600-13.5	+13.5V @ 0-44.5A	600W	6.7 x 4.7 x 3.7	240	0.5	0.5	✔	UL/CUL/TUV/CE/CB	134.95	119.95
2105447	Mean Well	AD-55A†	+13.8V @ 0-4A	51.4W	6.3 x 3.8 x 1.5	100	0.5	0.5	—	UL/CUL/TUV/CE/CB	33.95	29.95
2105439	Mean Well℞	AD-155A†	+13.8V @ 0-5A 10.5A	151.6W	7.8 x 4.3 x 2.0	150	0.5	0.5	✔	UL/CUL/TUV/CE/CB	54.95	48.95
1919060	Mean Well℞	RS-15-15	+15V @ 0-1A	15W	2.5 x 2.0 x 1.1	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	9.95	8.95
323302	Mean Well℞	RS-25-15	+15V @ 0-1.7A	25.5W	3.0 x 2.0 x 1.1	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	11.95	10.95
323345	Mean Well℞	RS-35-15	+15V @ 0-2.4A	36W	3.9 x 3.2 x 1.4	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	12.95	11.95
202140	Mean Well℞	S-40-15	+15V @ 0-2.8A	42W	5.1 x 3.9 x 1.5	100	0.5	0.5	—	UL/CUL/TUV/CE/CB	19.95	17.95
323409	Mean Well℞	RS-50-15	+15V @ 0-3.4A	51W	3.9 x 3.8 x 1.4	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	14.49	13.49
123343	Mean Well℞	S-60-15	+15V @ 0-4A	60W	6.3 x 3.8 x 1.5	150	0.5	0.5	—	UL/CUL/TUV/CE/CB	24.95	22.49
323602	Mean Well℞	RS-75-15	+15V @ 0-5A	75W	5.1 x 3.9 x 1.5	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	17.95	15.95
194845	Mean Well	SP-75-15	+15V @ 0-5A	75W	7.0 x 3.8 x 1.3	80	0.5	0.5	✔	UL/CUL/TUV/CE/CB	32.95	29.95
212433	Mean Well	SP-100-15	+15V @ 0-6.7A	100.5W	7.0 x 3.9 x 1.8	100	0.5	0.5	✔	UL/CUL/TUV/CE/CB	39.95	35.95
323724	Mean Well℞	RS-100-15	+15V @ 0-7A	105W	6.3 x 3.8 x 1.5	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	23.95	21.95
123432	Mean Well℞	S-150-15	+15V @ 0-10A	150W	7.0 x 4.3 x 2.0	180	0.3	0.3	—	UL/CUL/TUV/CE/CB	34.95	31.95
323847	Mean Well℞	RS-150-15	+15V @ 0-10A	150W	7.8 x 3.9 x 1.5	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	24.95	22.49
173412	Mean Well℞	SP-150-15	+15V @ 0-10A	150W	7.0 x 3.9 x 2.0	100	0.5	0.5	✔	UL/CUL/TUV/CE/CB	42.95	38.95
202060	Mean Well℞	SP-200-15	+15V @ 0-13.4A	201W	7.0 x 3.9 x 2.0	100	0.5	0.5	✔	UL/CUL/TUV/CE/CB	49.95	44.95

*Primary Output   † UPS function

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Power

Enclosed Switching AC-to-DC Power Supplies (Continued)
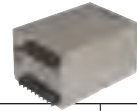
SP-500

★ Web Code: EPS

- 100% full-load burn-in test
- Wide AC input range
- Manufacturer warranty varies

Part No.	Manufacturer	Mfr. Part No.	Voltage @ Current (min-max)	Power	Size (L" x W" x H")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	1	10
			Single Output (Continued)									
693610	Mean Well℞	SP-320-15	+15V @ 0-20A	300W	8.5 x 4.5 x 2.0	150	0.5	0.3	✔	UL/CUL/TUV/CE/CB	$61.95	$55.95
693652	Mean Well℞	SP-480-15	+15V @ 0-35A	480W	10.9 x 5.0 x 1.7	150	0.5	0.3	✔	UL/CUL/TUV/CE/CB	134.95	119.95
291522	Mean Well	SE-600-15	+15V @ 0-40A	600W	9.7 x 5.0 x 2.5	150	0.5	0.5	—	UL/CUL	88.95	79.95
374222	Mean Well℞	PSP-600-15	+15V @ 0-40A	600W	6.7 x 4.7 x 3.7	240	0.5	0.5	✔	UL/CUL/TUV/CE/CB	134.95	119.95
1585696	Mean Well℞	RSP-1000-15	+15V @ 0-50A	750W	11.6 x 5.0 x 1.6	150	0.5	0.5	✔	UL/CUL/TUV/CE	249.95	229.95
694920	Mean Well℞	RSP-1500-15	+15V @ 0-100A	1500W	10.9 x 5.0 x 3.3	150	0.5	0.5	✔	UL/CUL/TUV/CE/CB	349.95	324.95
1919078	Mean Well℞	RS-15-24	+24V @ 0-0.625A	15W	2.5 x 2.0 x 1.1	200	0.5	0.5	—	UL/CUL/TUV/CE/CB	9.95	8.95
123272	Mean Well℞	S-25-24	+24V @ 0-1.1A	26.4W	3.9 x 3.8 x 1.4	100	0.5	0.5	—	UL/TUV/CE	18.95	16.95
323311	Mean Well℞	RS-25-24	+24V @ 0-1.1A	26.4W	3.0 x 2.0 x 1.1	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	11.95	10.95
323353	Mean Well℞	RS-35-24	+24V @ 0-1.5A	36W	3.9 x 3.2 x 1.4	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	12.95	11.95
123319	Mean Well℞	S-40-24	+24V @ 0-1.8A	43W	5.1 x 3.9 x 1.5	100	0.5	0.5	—	UL/CUL/TUV/CE/CB	21.95	19.95
323417	Mean Well℞	RS-50-24	+24V @ 0-2.2A	52.8W	3.9 x 3.8 x 1.4	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	14.49	13.49
123352	Mean Well℞	S-60-24	+24V @ 0-2.5A	60W	6.3 x 3.8 x 1.5	150	0.5	0.5	—	UL/CUL/TUV/CE/CB	24.95	22.49
323620	Mean Well℞	RS-75-24	+24V @ 0-3.2A	76.8W	5.1 x 3.9 x 1.5	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	17.95	15.95
2104250	Mean Well℞	NES-75-24	+24V @ 0-3.2A	76.8W	6.3 x 3.8 x 1.5	200	0.5	0.5	—	UL/CUL/CE/CB	18.95	16.95
194854	Mean Well℞	SP-75-24	+24V @ 0-3.2A	76.8W	7.0 x 3.9 x 1.3	100	0.5	0.5	✔	UL/CUL/CE/CB	32.95	29.95
194812	Mean Well℞	SP-100-24	+24V @ 0-4.2A	100.8W	7.0 x 3.9 x 1.8	150	0.5	0.5	✔	UL/CUL/TUV/CE/CB	39.95	35.95
201971	Mean Well℞	S-100F-24	+24V @ 0-4.5A	108W	7.8 x 3.9 x 1.5	150	0.5	0.5	—	UL/TUV/CE/CB	29.95	27.95
323732	Mean Well℞	RS-100-24	+24V @ 0-4.5A	108W	6.3 x 3.8 x 1.5	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	23.95	21.95
155651	Power One	MAP110-1024CM	+24V @ 5A or +28V @ 4.3A	120W	7.0 x 4.3 x 1.8	240	0.5	1.0	—	UL/CSA/TUV	24.95	21.95
173404	Mean Well℞	SP-150-24	+24V @ 0-6.25A	150W	7.0 x 3.9 x 2.0	150	0.5	0.5	✔	UL/CUL/TUV/CE/CB	42.95	38.95
123450	Mean Well℞	S-150-24	+24V @ 0-6.5A	156W	7.0 x 4.3 x 2.0	240	0.2	0.2	—	UL/CUL/TUV/CE/CB	34.95	31.95
323855	Mean Well℞	RS-150-24	+24V @ 0-6.5A	156W	7.8 x 3.9 x 1.5	120	0.5	0.5	—	UL/CUL/TUV/CE/CB	24.95	22.49
2101868	Mean Well℞	HRP-150-24	+24V @ 0-6.5A	156W	6.3 x 3.8 x 1.5	150	0.5	0.2	✔	UL/CUL/TUV/CE/CB	60.95	54.95
2094864	Mean Well℞	HRPG-150-24	+24V @ 0-6.5A	156W	6.3 x 3.8 x 1.5	150	0.5	0.3	✔	UL/CUL/TUV/CE/CB	69.95	63.95
2135523	TDK/Lambda	HWS150-24/A	+24V @ 0-6.5A	156W	6.3 x 1.7 x 3.2	150	0.5	0.3	—	UL/CSA/CE/EN/IEC	49.95	46.95
194782	Mean Well℞	SP-200-24	+24V @ 0-8.4A	201.6W	7.0 x 3.9 x 2.0	150	0.5	0.5	✔	UL/CUL/TUV/CE/CB	49.95	44.95
2101518	Mean Well℞	SP-240-24	+24V @ 0-10A	240W	7.5 x 3.7 x 2.0	150	0.5	0.2	✔	UL/CUL/TUV/CE/CB	51.95	47.95
196657	Mean Well℞	S-320-24	+24V @ 0-12.5A	300W	8.5 x 4.5 x 2.0	150	0.5	0.5	—	UL/CUL	69.95	64.95
244752	Mean Well℞	SP-320-24	+24V @ 0-13A	312W	8.5 x 4.5 x 2.0	150	0.5	0.2	✔	UL/CUL/TUV/CE/CB	61.95	55.95
2102220	Mean Well℞	HRP-300-24	+24V @ 0-14A	336W	7.7 x 4.1 x 1.6	150	0.5	0.2	✔	UL/CUL/TUV/CE/CB	84.95	76.95
2094881	Mean Well℞	HRPG-300-24	+24V @ 0-14A	336W	7.8 x 4.1 x 1.6	150	0.5	0.3	✔	UL/CUL/TUV/CE/CB	94.95	84.95
2146564	Mean Well	SE-350-24	+24V @ 0-14.6A	350.4W	8.5 x 4.5 x 2.0	150	0.5	0.5	—	UL/CUL	43.95	39.95
2101606	Mean Well℞	SE-450-24	+24V @ 0-18.8A	451.2W	8.9 x 4.9 x 2.0	200	0.5	0.2	—	UL/CUL	69.95	62.95
2122335	Mean Well℞	HRP-450-24	+24V @ 0-18.8A	451.2W	8.6 x 4.1 x 1.6	150	0.5	0.2	✔	UL/CUL/TUV/CE/CB	124.95	114.95
301322	Mean Well℞	SP-480-24	+24V @ 0-22A	480W	10.9 x 5.0 x 1.7	150	0.5	0.2	✔	UL/CUL/TUV/CE/CB	134.95	119.95
147054	Mean Well℞	SP-500-24	+24V @ 0-20A	480W	6.7 x 4.7 x 3.7	240	0.5	0.5	✔	UL/CUL/TUV/CE/CB	149.95	134.95
295902	Mean Well	SE-600-24	+24V @ 0-25A	600W	9.7 x 5.0 x 2.5	150	0.5	0.5	—	UL/CUL	88.95	79.95
374231	Mean Well℞	PSP-600-24	+24V @ 0-25A	600W	6.7 x 4.7 x 3.7	240	0.5	0.5	✔	UL/CUL/TUV/CE/CB	134.95	119.95
320048	Mean Well℞	SP-750-24	+24V @ 0-31.3A	750W	10.9 x 5.0 x 2.5	120	0.5	0.2	✔	UL/CUL/TUV/CE/CB	204.95	189.95
1585717	Mean Well℞	RSP-1000-24	+24V @ 0-40A	960W	11.6 x 5.0 x 1.6	150	0.5	0.5	✔	UL/CUL/TUV/CE/CB	249.95	229.95
2101569	Mean Well℞	SE-1000-24	+24V @ 0-41.7A	1000.8W	10.9 x 5.0 x 2.5	200	0.5	0.5	—	UL/CUL	184.95	169.95
694938	Mean Well℞	RSP-1500-24	+24V @ 0-63A	1512W	10.9 x 5.0 x 3.3	150	0.5	0.5	✔	UL/CUL/TUV/CE/CB	349.95	324.95
693409	Mean Well℞	SP-75-27	+27V @ 0-2.8A	75.6W	7.0 x 3.9 x 1.3	100	0.5	0.5	✔	UL/CUL/TUV/CE/CB	32.95	29.95
693548	Mean Well℞	SP-200-27	+27V @ 0-7.5A	202.5W	7.0 x 3.9 x 2.0	150	0.5	0.5	✔	UL/CUL/TUV/CE/CB	49.95	44.95
693581	Mean Well℞	S-320-27	+27V @ 0-11.0A	297W	8.5 x 4.5 x 2.0	200	0.5	0.5	—	UL/CUL	59.95	54.95
693628	Mean Well℞	SP-320-27	+27V @ 0-11.7A	315.9W	8.5 x 4.5 x 2.0	200	0.5	0.2	✔	UL/CUL/TUV/CE/CB	61.95	55.95
190706	Mean Well℞	SP-500-27	+27V @ 0-18A	486W	6.7 x 4.7 x 3.7	200	0.5	0.5	✔	UL/CUL/TUV/CE/CB	149.95	134.95
295911	Mean Well	SE-600-27	+27V @ 0-22.2A	599.4W	9.7 x 5.0 x 2.5	150	0.5	0.5	—	UL/CUL	88.95	79.95
374257	Mean Well℞	PSP-600-27	+27V @ 0-22.2A	600W	6.7 x 4.7 x 3.7	240	0.5	0.5	✔	UL/CUL/TUV/CE/CB	134.95	119.95
374038	Mean Well℞	SP-750-27	+27V @ 0-27.8A	750W	10.9 x 5.0 x 2.5	120	0.5	0.2	✔	UL/CUL/TUV/CE/CB	204.95	189.95
1585709	Mean Well℞	RSP-1000-27	+27V @ 0-37.0A	999W	11.6 x 5.0 x 1.6	150	0.5	0.5	✔	UL/CUL/TUV/CE/CB	249.95	229.95

*Primary Output

★For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS — NAME BRANDS · HOUSE BRANDS · SPECIAL BUY

Enclosed Switching AC-to-DC Power Supplies (Continued)

- 100% full-load burn-in test
- Wide AC input range
- Manufacturer warranty varies

SP-200

★ **Web Code: EPS**

Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Power	Size (L" x W" x H")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing 1	Pricing 10
Single Output (Continued)											
694946	Mean Well ℛ	RSP-1500-27	+27V @ 0-56A	1512W	10.9 x 5.0 x 3.3	150	0.5	0.5	✔	UL/CUL/TUV/CE/CB	$349.95	$324.95
2102983	Mean Well ℛ	PB-120N-27C#	+27.6V @ 0-4.3A	118.7W	7.1 x 3.8 x 1.9	150	§	§	—	UL/CUL/TUV/CE/CB	44.95	39.95
2146118	Mean Well ℛ	AD-155B	+27.6V @ 0-5.5A	152W	7.8 x 4.3 x 2.0	150	0.5	0.5	—	UL/CUL/TUV/CE/CB	54.95	48.95
2102473	Mean Well ℛ	SP-240-30	+30V @ 0-8A	240W	7.5 x 3.7 x 2.0	150	0.5	0.2	✔	UL/CUL/TUV/CE/CB	51.95	47.95
2101024	Mean Well ℛ	HRP-75-36	+36V @ 0-2.1A	75.6W	5.1 x 3.9 x 1.5	200	0.5	0.2	✔	UL/CUL/TUV/CE/CB	45.95	40.49
2102730	Mean Well ℛ	SP-320-36	+36V @ 0-8.8A	316.8W	8.5 x 4.5 x 2.0	220	0.5	0.2	✔	UL/CUL/TUV/CE/CB	61.95	55.95
2104524	Mean Well ℛ	SE-600-36	+36V @ 0-16.6A	598W	9.7 x 5.0 x 2.5	200	0.5	0.5	—	UL/CUL	88.95	79.95
2101753	Mean Well ℛ	HRPG-600-36	+36V @ 0-17.5A	630W	8.6 x 4.1 x 2.5	200	0.5	0.2	✔	UL/CUL/TUV/CE/CB	149.95	134.95
693206	Mean Well ℛ	RS-25-48	+48V @ 0-0.57A	27.4W	3.1 x 2.0 x 1.1	200	0.5	0.5	—	UL/CUL/TUV/CE/CB	11.95	10.95
693249	Mean Well ℛ	RS-50-48	+48V @ 0-1.1A	52.8W	3.9 x 3.8 x 1.4	200	0.5	0.5	—	UL/CUL/TUV/CE/CB	14.49	13.49
216793	Mean Well ℛ	S-100F-48	+48V @ 0-2.2A	105.6W	7.8 x 3.9 x 1.5	150	0.5	0.5	—	UL/TUV/CE/CB	14.95	13.95
693290	Mean Well	RS-100-48	+48V @ 0-2.3A	110.4W	6.3 x 3.8 x 1.5	200	0.5	0.5	—	UL/CUL/TUV/CE/CB	23.95	21.95
167346	Mean Well ℛ	S-150-48	+48V @ 0-3.2A	153.6W	7.0 x 4.3 x 2.0	240	0.2	0.2	—	UL/CUL/TUV/CE/CB	34.95	31.95
201929	Mean Well	SP-150-48	+48V @ 0-3.2A	154W	7.0 x 3.9 x 2.0	250	0.5	0.5	✔	UL/CUL/TUV/CE	29.95	27.95
201930	Mean Well ℛ	SP-150-48	+48V @ 0-3.2A	153.6W	7.0 x 3.9 x 2.0	250	0.5	0.5	✔	UL/CUL/TUV/CE/CB	42.95	38.95
323863	Mean Well ℛ	RS-150-48	+48V @ 0-3.3A	158.4W	7.8 x 3.9 x 1.5	200	0.5	0.5	—	UL/CUL/TUV/CE/CB	24.95	22.49
202068	Mean Well ℛ	SP-200-48	+48V @ 0-4.2A	201.6W	7.0 x 3.9 x 2.0	250	0.5	0.5	✔	UL/CUL/TUV/CE/CB	49.95	44.95
2102481	Mean Well ℛ	SP-240-48	+48V @ 0-5A	240W	7.5 x 3.7 x 2.0	150	0.5	0.2	✔	UL/CUL/TUV/CE/CB	51.95	47.95
2197855	TDK Lambda ℛ	SWS300-48	+48V @ 0-6.7A	321.6W	7.8 x 4.0 x 2.0	240	0.1	0.2	✔	UL/CSA/CE	59.95	54.95
244770	Mean Well ℛ	SP-320-48	+48V @ 0-6.7A	321.6W	8.5 x 4.5 x 2.0	240	0.5	0.2	✔	UL/CUL/TUV/CE/CB	61.95	55.95
2102326	Mean Well ℛ	HRP-300-48	+48V @ 0-7.0A	336W	7.8 x 4.1 x 1.6	250	0.5	0.2	✔	UL/CUL/TUV/CE/CB	84.95	76.95
2149554	Mean Well ℛ	SE-350-48	+48V @ 0-7.3A	350W	8.5 x 4.5 x 2.0	240	0.5	0.5	—	UL/CUL	43.95	39.95
2105164	Mean Well ℛ	SE-450-48	+48V @ 0-9.4A	451.2W	8.9 x 4.9 x 2.0	200	0.5	0.2	—	UL/CUL	69.95	62.95
301402	Mean Well ℛ	SP-480-48	+48V @ 0-11A	480W	10.9 x 5.0 x 1.7	240	0.5	0.2	✔	UL/CUL/TUV/CE/CB	134.95	119.95
161796	Mean Well ℛ	SP-500-48	+48V @ 0-10A	480W	6.7 x 4.7 x 3.7	300	0.5	0.5	✔	UL/CUL/TUV/CE/CB	149.95	134.95
295929	Mean Well	SE-600-48	+48V @ 0-12.5A	600W	9.7 x 5.0 x 2.5	200	0.5	0.5	—	UL/CUL	88.95	79.95
374249	Mean Well ℛ	PSP-600-48	+48V @ 0-12.5A	600W	6.7 x 4.7 x 3.7	240	0.5	0.5	✔	UL/CUL/TUV/CE/CB	134.95	119.95
2101577	Mean Well ℛ	SE-1000-48	+48V @ 0-20.8A	998.4W	10.9 x 5.0 x 2.5	200	0.5	0.5	—	UL/CUL	184.95	169.95
1585725	Mean Well ℛ	RSP-1000-48	+48V @ 0-21.0A	1008W	11.6 x 5.0 x 1.6	150	0.5	0.5	✔	UL/CUL/TUV/CE/CB	249.95	229.95
231722	Mean Well	PSP-1500-48	+48V @ 0-28.5A	1368W	10.9 x 5.1 x 7.5	200	0.5	0.2	✔	UL/CUL/TUV/CE/CB	99.95	94.95
694954	Mean Well ℛ	RSP-1500-48	+48V @ 0-32.0A	1536W	10.9 x 5.0 x 3.3	200	0.5	0.5	✔	UL/CUL/TUV/CE/CB	349.95	324.95
2108921	Mean Well ℛ	RSP-3000-48	+48V @ 0-62.5A	3000W	10.9 x 7.0 x 2.5	200	0.5	0.5	✔	UL/CUL/TUV/CE/CB	499.95	449.95
Double Output											
323362	Mean Well ℛ	RD-35A	+5V @ 0.3-4A; +12V @ 0.2-1A	32W	3.9 x 3.2 x 1.4	80	0.5	0.5	—	UL/CUL/TUV/CE/CB	$20.95	$18.95
323380	Mean Well ℛ	RD-35B	+5V @ 0.3-4A; +24V @ 0.2-1.3A	51.2W	3.9 x 3.2 x 1.4	80	0.5	0.5	—	UL/CUL/TUV/CE/CB	20.95	18.95
323425	Mean Well ℛ	RD-50A	+5V @ 0.3-6A; +12V @ 0.3-3A	54W	3.9 x 3.8 x 1.4	80	0.5	0.5	—	UL/CUL/TUV/CE/CB	23.95	21.49
323433	Mean Well ℛ	RD-50B	+5V @ 0.3-6A; +24V @ 0.2-2A	53.6W	3.9 x 3.8 x 1.4	80	0.5	0.5	—	UL/CUL/TUV/CE/CB	23.95	21.49
323505	Mean Well ℛ	RD-65A	+5V @ 0.3-8A; +12V @ 0.2-4A	66W	5.1 x 3.9 x 1.5	80	0.5	0.5	—	UL/CUL/TUV/CE/CB	26.95	23.95
323513	Mean Well ℛ	RD-65B	+5V @ 0.3-8A; +24V @ 0.2-3A	68W	5.1 x 3.9 x 1.5	80	0.5	0.5	—	UL/CUL/TUV/CE/CB	26.95	23.95
323628	Mean Well ℛ	RD-85A	+5V @ 2.0-10A; +12V @ 0.3-5A	88W	6.3 x 3.8 x 1.5	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	37.95	33.49
132397	Mean Well ℛ	D-120B	+5V @ 2.0-6A; +24V @ 0.4-4A	126W	7.0 x 3.9 x 2.0	60	0.5	0.5	—	UL/CUL/TUV/CE/CB	44.95	39.95
323741	Mean Well ℛ	RD-125A	+5V @ 2.0-15A; +12V @ 0.5-10A	130.9W	7.8 x 3.9 x 1.5	80	3.0	1.0	—	UL/CUL/TUV/CE/CB	32.95	29.95
323759	Mean Well ℛ	RD-125B	+5V @ 2.0-10A; +24V @ 0.4-5A	133.4W	7.8 x 3.9 x 1.5	80	3.0	1.0	—	UL/CUL/TUV/CE/CB	32.95	29.95
2106124	Mean Well ℛ	RD-125-1224	+12V @ 1.0-3.7A; +24V @ 0.4-3.7A	133.2W	7.8 x 3.9 x 1.5	120	1.0	0.5	—	UL/CUL/TUV/CE/CB	32.95	29.95
Triple Output											
201989	Mean Well ℛ	T-40A	+5V @ 0.6-3A; +12V @ 0.2-2A; -5V @ 0.1-0.5A	41.5W	5.1 x 3.9 x 1.5	100	0.5	0.5	—	CSA/CE	$22.95	$21.95
323460	Mean Well ℛ	RT-50B	+5V @ 0.5-5A; +12V @ 0.2-2.5A; -12V @ 0.1-1A	50W	3.9 x 3.8 x 1.4	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	20.95	19.49
323468	Mean Well ℛ	RT-50C	+5V @ 0-5A; +15V @ 0.2-2A; -15V @ 0.1-1A	50W	3.9 x 3.8 x 1.4	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	20.95	19.49
323476	Mean Well ℛ	RT-50D	+5V @ 0.5-5A; +12V @ 0.1-1A; +24V @ 0.2-1.5A	51W	3.9 x 3.8 x 1.4	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	20.95	19.49
123482	Mean Well ℛ	T-60B	+5V @ 0.5-5A; +12V @ 0.2-2.5A; -12V @ 0-0.5A	61W	6.3 x 3.8 x 1.5	100	1.0	0.5	—	UL/CUL/TUV/CE/CB	29.95	26.95
323540	Mean Well ℛ	RT-65B	+5V @ 0.5-8A; +12V @ 0.2-3.5A; -12V @ 0-1A	64.6W	5.1 x 3.9 x 1.5	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	23.95	21.49
323548	Mean Well ℛ	RT-65C	+5V @ 0.5-8A; +15V @ 0.2-3A; -15V @ 0-1A	65.5W	5.1 x 3.9 x 1.5	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	23.95	21.49
323555	Mean Well ℛ	RT-65D	+5V @ 0.5-8A; +12V @ 0.1-1A; +24V @ 0.2-2A	68W	5.1 x 3.9 x 1.5	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	23.95	21.49
323767	Mean Well ℛ	RT-125A	+5V @ 2-15A; +12V @ 0.5-6A; -5V @ 0.1-1A	131W	7.8 x 3.9 x 1.5	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	34.95	31.49

*Primary Output   # See complete specs on page 117   § Load/line regulation is dependent on battery current requirement

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Power

Enclosed Switching AC-to-DC Power Supplies (Continued) c RU us CE CB

RQ-65

- 100% full-load burn-in test
- Wide AC input range
- Manufacturer warranty varies

★Web Code: EPS

Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Power	Size (L" x W" x H")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	PFC	Certification	Pricing 1	10
Triple Output (Continued)												
323775	Mean Well®	RT-125B	+5V @ 2-15A; +12V @ 0.5-6A; -12V @ 0.1-1A	132W	7.8 x 3.9 x 1.5	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	$34.95	$31.49
323783	Mean Well®	RT-125C	+5V @ 2-15A; +15V @ 0.5-6A; -15V @ 0.1-1A	132.5W	7.8 x 3.9 x 1.5	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	34.95	31.49
323792	Mean Well®	RT-125D	+5V @ 2-15A; +12V @ 0.1-2A; +24V @ 0.4-4A	136W	7.8 x 3.9 x 1.5	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	34.95	31.49
Quad Output												
323484	Mean Well®	RQ-50B	+5V @ 0.5-6A; +12V @ 0.2-1.5A; -5V @ 0-1A; -12V @ 0-1A	45.5W	3.9 x 3.8 x 1.4	80	0.5	0.5	—	UL/CUL/TUV/CE/CB	$26.95	$23.95
323572	Mean Well®	RQ-65D	+5V @ 0.5-8A; +12V @ 0.2-3A; +24V @ 0.1-1.5A; -12V @ 0-1A	68W	5.1 x 3.9 x 1.5	80	0.5	0.5	—	UL/CUL/TUV/CE/CB	29.95	26.95
323695	Mean Well®	RQ-85D	+5V @ 2-10A; +12V @ 0.3-4A; +24V @ 0.1-1.5A; -12V @ 0-1A	84W	6.3 x 3.8 x 1.5	80	0.5	0.5	—	UL/CUL/TUV/CE/CB	34.95	31.95
323803	Mean Well®	RQ-125B	+5V @ 2-12A; +12V @ 0.5-4.5A; -5V @ 0.1-1A; -12V @ 0-1A	120W	7.0 x 3.9 x 2.0	80	0.5	0.5	—	UL/CUL/TUV/CE/CB	44.95	39.95
323812	Mean Well®	RQ-125D	+5V @ 2-12A; +12V @ 0.5-4A; +24V @ 0.1-2.5A; -12V @ 0-1A	124W	7.8 x 3.9 x 1.5	80	1.0	0.5	—	UL/CUL/TUV/CE/CB	44.95	39.95
213648	Mean Well®	QP-150F	+5V @ 3-10A; +15V @ 0-3A; +24V @ 0.4-2A; -15V @ 0-0.6A	152W	7.8 x 3.9 x 1.5	120	2.0	1.0	✔	UL/CUL/TUV/CE/CB	89.95	79.95
213752	Mean Well®	QP-200D	+5V @ 3-15A; +12V @ 0-4A; +24V @ 0.4-3A; -12V @ 0-0.7A	204.9W	7.8 x 3.9 x 2.0	100	2.0	1.0	✔	UL/CUL/TUV/CE/CB	99.95	89.95
668764	Mean Well®	QP-320D	+5V @ 2.5-20A; +12V @ 0-10A; +24V @ 0.2-5A; -12V @ 0.2-2A	316W	8.5 x 4.5 x 2.0	100	2.0	1.0	✔	UL/CUL/TUV/CE	119.95	108.95

*Primary Output

Mounting Brackets & Accessories for Mean Well Enclosed Switching AC-to-DC Power Supplies

All brackets use metric screws: 2-F3 x 6, 2-F4 x 6, 2-T3 x 6, 2-T4 x 6 and 8-T4 x 6 (not included)

★Web Code: MBM

Part No.	Mfr. P/N	For Models	1	10
222122	DRL-01®	S-25/40, RS-25/35	$.99	$.89
222131	DRL-02®	S-50/60/100/150, SP-100/150/200, D-120	1.95	1.75
222148	DRL-03	S-240/320, SP-320	2.49	2.25
222165	DRP-02®	S-15/25, SP-75/100/150/200	1.49	1.35
222173	DRP-03®	All Models	1.49	1.25
222182	MHS012®	S-320/350, SP-100/150/200/320	.49	.39
222199	MHS025	SP-500, PSP-600	.59	.49
2172666	2026.0®	DR, DRH, DRP, DRT, MDR, TDR	7.95	6.95
248736	2094.0®	DR, DRH, DRP, DRT, MDR	8.95	7.95
2150379	TBC-07®	D/ID, NED, RD, NES, RS, T, S, SD, HRP, SC	.49	.45
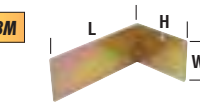
222122 4.35"L x 1.73"W x 2.52"H
222148 7.875"L x 2.48"W x 1.80"H

222165 3.2"L x 2.0"W x 0.3"H
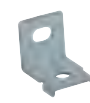
222182 .767"L x .60"W x .625"H

222199 5.51"L x 7.89"W x .068"H

248736 (Slotted) DIN Mounting Rail Length: 1 meter

2172666 (Unslotted) DIN Mounting Rail Length: 1 meter

2150379 2.25"L x 0.4"W

Mating Connector
103588 $1.70/10
Spade Solderless Terminal
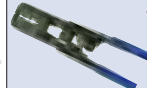
Crimp Tool
72996 $24.95
Solderless Terminal Crimp Tool

Pricing & specs on page 66

High Efficiency, Small Density Power Supplies

★ATX Web Code: HCA   ★Open-Frame Web Code: OSP

These new power supplies pack a big dose of power into a little size. Along with high efficiency ratings, these will definitely be able to handle the large loads you put them through every day, without wasting any power.
- High power density: up to 15W/in.³
- Agency approvals: UL/CUL/CE
- Active PFC (90-264VAC)
- Universal AC input
- Short-circuit, over-voltage, over-power, over-temperature protection
- High power density
- Remote sense function

2187948

Part No.	Mfr. Part No.	Description	Output Voltage (VDC) @ Current (A)	Power (W)	Efficiency	Size (W" x D" x H")	1	5
2187921	400002-71-3®	ATX active PFC supply	+3.3 @ 10; +5 @ 15; +12 @ 5; -12 @ 1; +5sb @ 1	125	Up to 87%	3.0" x 5.0" x 1.3"	$119.95	$109.95
2187930	400004-61-0®	Dual-output open frame	+12 @ 10.4; +12 @ 1	125	Up to 92%	3.0" x 5.0" x 1.3"	99.95	89.95
2187956	400013-01-7®	Dual-output open frame	+12 @ 13.3; +12 @ 1	160	Up to 90%	3.0" x 5.0" x 1.3"	114.95	104.95
2187972	400029-01-3®*	Triple-output open frame	+12 @ 22.9; +12 @ 1; +5sb @ 1	275	Up to 91%	3.0" x 5.0" x 1.5"	189.95	174.95
2187981	400081-01-4®	Quad-output open frame	+12 @ 23.3; +12 @ 5; +12 @ 1; +5sb @ 1	280	Up to 90%	3.0" x 5.3" x 1.4"	189.95	174.95
2188019	400040-01-0®	Triple-output open frame	+12 @ 30; +12 @ 1; +5sb @ 1	375	Up to 93%	3.3" x 5.0" x 1.5"	249.95	224.95
2187948	400006-61-5®	Dual-output open frame	+24 @ 5.2; +12 @ 1	125	Up to 92%	3.0" x 5.0" x 1.3"	109.95	99.95
2187964	400015-01-2®	Dual-output open frame	+24 @ 6.7; +12 @ 1	160	Up to 90%	3.0" x 5.0" x 1.3"	114.95	104.95
2188027	400041-01-8®	Triple-output open frame	+24 @ 15; +12 @ 1; +5sb @ 1	375	Up to 93%	3.3" x 5.0" x 1.5"	229.95	209.95
2188035	400042-01-6®	Triple-output open frame	+48 @ 7.5; +12 @ 1; +5sb @ 1	375	Up to 93%	3.3" x 5.0" x 1.5"	209.95	194.95
2187999	400081-04-8®	Quad-output open frame	+54 @ 5.2; +12 @ 5; +12 @ 1; +5sb @ 1	280	Up to 90%	3.0" x 5.3" x 1.4"	239.95	224.95
2188001	400091-01-3®	Quad-output open frame	+54 @ 6.1; +12 @ 9; +12 @ 1; +5sb @ 1	330	Over 91%	3.0" x 5.3" x 1.4"	269.95	249.95

*I²C, PMBUS interface

★For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS
NAME BRANDS   HOUSE BRANDS   SPECIAL BUY

Power

LED Power Supplies & DIN-Rail Modules

Jameco carries the full line of Mean Well Power products. For additional products visit www.Jameco.com/meanwellproducts

LED Enclosed Power Supplies

NEW MARKED IN PINK

For Indoor and Outdoor Applications

- Suitable for LED lighting & moving sign application
- Short-circuit/overload/overvoltage/overtemperature protection
- 100% full-load burn-in test
- Universal AC input/full range
- Cooling by free air convection
- UL1310 class 2 power unit

LPC/LPV/ELN/PLN Series
- Working temperature: -30°C to 50°C
- Plastic case
- Inrush current: 40A/230VAC
- Constant voltage and current
- Two-year warranty

CLG Series
- Metal case
- Working temperature: -30°C to 70°C
- Adjustable voltage and current
- Inrush current: 40A/230VAC
- Built-in active PFC function
- Three-year warranty

HLG Series
- Metal case
- Working temperature: -30°C to 60°C
- Adjustable voltage and constant current
- Inrush current: 75A/230VAC
- Built-in active PFC function
- Three-year warranty

PLP Series
- Open frame
- Working temperature: -30°C to 70°C
- Output current level adjustable
- Inrush current: 42A/230VAC
- Built-in PFC function
- Two-year warranty

PLC Series
- Plastic case
- Working temperature: -30°C to 50°C
- Adjustable voltage and current
- Inrush current: 40A/230VAC
- Built-in constant current limiting circuit
- Two-year warranty

PLN Series

CLG Series

★ Web Code: LPP

Part No.	Manufacturer	Mfr. Part No.	Output Voltage @ Current (min-max)	Power (W)	Input Voltage (VAC @ Hz)	Size (L" x W" x H")	Enclosure Rating	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10
2101307	Mean Well℞	LPC-35-700	+9-48V @ 0.7A	33.6	90-264 @ 47-63	5.8 x 1.6 x 1.2	IP67	2.0	1.0	UL/TUV/CE	$16.95	$15.49
2142061	Mean Well℞	APV-12-12	+12V @ 0-1A	12	90-264 @ 47-63	3.0 x 1.6 x 1.1	—	2.0	1.0	CE	6.49	5.95
2102596	Mean Well℞	LPV-20-12	+12V @ 0-1.67A	20	90-264 @ 47-63	4.6 x 1.4 x 1.0	IP67	2.0	1.0	UL/CUL/TUV/CSA/CE	11.95	9.95
2103142	Mean Well℞	LPV-35-12	+12V @ 0-3A	36	90-264 @ 47-63	5.8 x 1.6 x 1.2	IP67	2.0	1.0	UL/CUL/TUV/CSA/CE	15.95	14.49
2122976	Mean Well℞	PLN-45-12	+12V @ 0-3.8A	45.6	90-295 @ 47-63	7.1 x 2.4 x 1.3	IP64	5.0	3.0	UL/CUL/TUV/CE/PFC	9.95	9.49
2103169	Mean Well℞	LPV-60-12	+12V @ 0-5A	60	90-264 @ 47-63	6.4 x 1.7 x 1.3	IP67	2.0	1.0	UL/CUL/TUV/CSA/CE	18.95	16.95
2105308	Mean Well℞	ELN-60-12†	+12V @ 0-5A	60	90-264 @ 47-63	7.1 x 2.4 x 1.4	IP64	2.0	1.0	UL/CUL/TUV/CSA/CE	24.95	21.95
1918913	Mean Well℞	PLN-60-12	+12V @ 0-5A	60	90-295 @ 47-63	7.1 x 2.4 x 1.4	IP64	5.0	3.0	UL/CUL/TUV/CE/PFC	35.95	30.95
1585805	Mean Well℞	CLG-100-12	+12V @ 5A	60	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP67	2.0	1.0	UL/CUL/TUV/CSA/CE/PFC	52.95	45.95
2148105	Mean Well℞	HLG-120H-12B	+12V @ 10A	120	90-305 @ 47-63	8.7 x 2.7 x 1.5	IP67	2.0	0.5	UL/CUL/TUV/CE/PFC	69.95	63.95
2105050	Mean Well℞	CLG-150-12C	+12V @ 11A	132	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP67	1.0	0.5	UL/CUL/TUV/CE/PFC	54.95	49.95
1954877	Mean Well℞	CLG-150-12A	+12V @ 0-11A	132	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP65	1.0	0.5	UL/TUV/CE	54.95	49.95
2108699	Mean Well℞	CLG-150-12†	+12V @ 11A	132	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP67	1.0	0.5	UL/CUL/TUV/CE/PFC	54.95	49.95
2141780	Mean Well℞	HLG-320H-12A	+12V @ 22A	264	90-305 @ 47-63	9.9 x 3.5 x 1.7	IP65	2.0	0.5	UL/CUL/TUV/CB/CE/PFC	122.95	104.95
2102609	Mean Well℞	LPV-20-15	+15V @ 0-1.33A	20	90-264 @ 47-63	4.6 x 1.4 x 1.0	IP67	2.0	1.0	UL/TUV/CE	6.95	6.49
2102617	Mean Well℞	LPV-20-24	+24V @ 0-0.84A	20.2	90-264 @ 47-63	4.6 x 1.4 x 1.0	IP67	2.0	1.0	UL/CUL/CE	11.95	9.95
2102799	Mean Well℞	LPV-35-24	+24V @ 0-1.5A	36	90-264 @ 47-63	5.8 x 1.6 x 1.2	IP67	2.0	1.0	UL/CUL/TUV/CE	15.95	14.49
2102801	Mean Well℞	LPV-60-24	+24V @ 0-2.5A	60	90-264 @ 47-63	6.4 x 1.7 x 1.3	IP67	2.0	1.0	UL/CUL/TUV/CE	18.95	16.95
2105252	Mean Well℞	ELN-60-24	+24V @ 2.5A	60	90-264 @ 47-63	7.1 x 2.4 x 1.4	IP64	2.0	1.0	UL/CUL/TUV/CSA/CE	24.95	21.95
1919027	Mean Well℞	CLG-60-24	+24V @ 0-2.5A	60	90-295 @ 47-63	7.7 x 2.4 x 1.5	IP67	5.0	3.0	UL/CUL/TUV/CE	40.95	36.95
2103871	Mean Well℞	PLC-100-24	+24V @ 0-4A	96	90-264 @ 47-63	7.9 x 2.7 x 1.4	—	2.0	1.0	UL/CUL/TUV/CSA/CE/PFC	45.95	39.95
1585872	Mean Well℞	CLG-100-24	+24V @ 0-4A	96	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP67	2.0	1.0	UL/CUL/TUV/CE/PFC	52.95	45.95
2103433	Mean Well℞	CLG-150-24	+24V @ 6.3A	151.2	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP67	0.5	0.5	UL/CUL/TUV/CE/PFC	54.95	49.95
1954885	Mean Well℞	CLG-150-24A	+24V @ 0-6.3A	150	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP65	1.0	0.5	UL/TUV/CE	54.95	49.95
2102174	Mean Well℞	HLG-240H-24A	+24V @ 10A	240	90-305 @ 47-63	9.6 x 2.7 x 1.5	IP65	0.5	0.5	UL/CUL/TUV/CE/PFC	84.95	74.95
2115127	Mean Well℞	HLG-240H-24B	+24V @ 10A	240	90-305 @ 47-63	9.6 x 2.7 x 1.5	IP67	0.5	0.5	UL/CUL/TUV/CE/PFC	84.95	74.95
2147903	Mean Well℞	HLG-320H-24	+24V @ 13.3A	320	90-305 @ 47-63	9.9 x 3.5 x 1.7	IP67	0.5	0.5	UL/CUL/TUV/CB/CE/PFC	122.95	104.95
2100574	Mean Well℞	PLN-60-27	+27V @ 0-2.3A	62.1	90-295 @ 47-63	7.1 x 2.4 x 1.4	IP64	5.0	3.0	UL/CUS/TUV/CE/PFC	19.95	18.95
2102051	Mean Well℞	CLG-150-30B**	+30V @ 5A	150	90-295 @ 47-63	8.7 x 2.7 x 1.5	IP67	0.5	0.5	UL/TUV/CE/PFC	19.95	18.95
2148009	Mean Well℞	HLG-150-30B**	+30V @ 5A	150	90-277 @ 50-60	8.7 x 2.7 x 1.5	IP67	0.5	0.5	UL/TUV/CE/PFC	49.95	44.95
2148025	Mean Well℞	HLG-150H-36B	+36V @ 4.2A	151.2	90-305 @ 47-63	9.0 x 2.7 x 1.5	IP67	0.5	0.5	UL/CUL/TUV/CE/PFC	69.95	62.95
2101121	Mean Well℞	LPC-20-350	+48V @ 0-0.35A	16.8	90-264 @ 47-63	4.6 x 1.4 x 1.0	IP67	2.0	1.0	UL/CUL	11.95	10.49
2100591	Mean Well℞	PLN-60-48	+48V @ 0-1.3A	62.5	90-295 @ 47-63	7.1 x 2.4 x 1.4	IP64	5.0	3.0	UL/CUL/TUV/CSA/CE/PFC	35.95	30.95

*Primary Output   **Dimmable   † Dimmable options

Dimmable LED Drivers with Magnetic Transformer Core

The most compact LED drivers on the market with a magnetic transformer core!
- Input: 120VAC @ 60Hz
- Class 2, high efficiency
- ETL, CSA listed

NEW MARKED IN PINK

Part No.	Mfr. Part No.	Voltage @ Current	Power	Efficiency	Size	1	5
2199771	M40L12	12VAC @ 3.3A	40	90.3%	5.1"H x 2.2"W x 2.2"D	$54.95	$49.95
2199797	M50L12	12VAC @ 4.3A	50	89.7%	6.1"H x 2.6"W x 2.3"D	59.95	54.95
2199818	M60L12	12VAC @ 4.8A	60	89.2%	6.1"H x 2.6"W x 2.3"D	64.95	59.95
2199594	M20L12DC	12VDC @ 1.6A	20	85.7%	5.0"L x 2.1"W x 2.0"D	59.95	54.95
2199658	M60L12DC	12VDC @ 4.8A	60	89.2%	6.1"H x 2.6"W x 2.2"D	74.95	69.95

40A DC DIN-Rail UPS Module & 20A Power Supply Redundancy Module

★ Web Code: MBM

Part No.	Mfr. Part No.	Description	DC Input/DC BUS	Output Voltage @ Current	Charge Current	Certification	1	10
2103273	DR-UPS40℞	Battery controller for UPS	24-29V @ 40A	21-29VDC @ 0-40A	2A	CE	$43.95	$39.95
2105009	DR-RDN20℞	2-input redundancy module	21-28V @ 20A	30V @ 20A	—	CE	25.95	23.49

2103273 (Rail not included)

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

DIN-Rail Switching Power Supplies

• Short-circuit, overload, overvoltage protection
• Low cost, high reliability
• 100% full-load burn-in test
• For DIN mounting rail, see page 111

UL-508

• For DIN-Rail terminal blocks see pg 65
• Universal AC input range
• Soft-start circuit, limiting AC surge current

Web Code: RBY

373182 (Fig. 1)

1943300 (Fig. 2)
Rail not included

192699 (Fig. 3)

1943393 (Fig. 4)
Rail not included

1943481 (Fig. 5)
Rail not included

212291 (Fig. 6)

212274 (Fig. 7)

2081086 (Fig. 8)
Rail not included

2100873 (Fig. 9)
Rail not included

221892 (Fig. 10)

252663 (Fig. 11)

2094944 (Fig. 12)
Rail not included

Part No.	Mfr. Part No.	Fig.	Output Volts @ Curr.	Pwr (W)	Input Voltage (VAC @ Hz/VDC)	Input Current @ Max Load	Size (L" x W" x H")	Wt. (lbs.)	Certification	1	10
2103978	MDR-10-5ℛ	2	5VDC @ 2A	10	88-264 @ 47-63	0.33A(115V)/0.21A(230V)	3.5 x .89 x 3.9	0.4	UL/CUL/TUV/CB/CE	$13.49	$12.49
2101243	DR-15-5ℛ	9	5VDC @ 2.4A	12	85-264 @ 47-63/120-370	0.88A(115V)/0.48A(230V)	1.0 x 3.7 x 2.2	0.2	UL/CUL/TUV/CE	13.49	12.49
1943300	MDR-20-5ℛ	2	5VDC @ 3A	15	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	UL/CUL/TUV/CE	15.95	14.49
212303	DR-4505ℛ	3	5VDC @ 5A	25	85-264 @ 47-63/120-370	1.5A(115V)/0.75A(230V)	3.0 x 2.6 x 3.6	0.9	UL/CUL/TUV/CE	18.95	16.95
1943393	MDR-40-5ℛ	4	5VDC @ 6A	30	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	UL/CUL/TUV/CE	20.95	18.95
1943449	MDR-60-5ℛ	4	5VDC @ 10A	50	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	UL/CUL/TUV/CE	22.95	20.95
1952978	MDR-10-12ℛ	2	12VDC @ 0.84A	10	85-264 @ 47-63/120-370	0.33A(155V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	UL/CUL/TUV/CE	13.49	12.49
2094952	DR-15-12ℛ	9	12VDC @ 1.25A	15	85-264 @ 47-63/120-370	0.88A(115V)/0.48A(230V)	3.7 x 1.0 x 2.2	0.2	UL/CUL/TUV/CE	13.49	12.49
1943334	MDR-20-12ℛ	2	12VDC @ 1.67A	20	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	UL/CUL/TUV/CE	15.95	14.49
373182	DR-30-12ℛ	1	12VDC @ 2A	24	85-264 @ 47-63/120-370	1.1A(115V)/0.6A(230V)	3.1 x 3.7 x 2.2	0.6	UL/CUL/TUV/CE	16.95	15.49
1943406	MDR-40-12ℛ	4	12VDC @ 3.33A	40	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	UL/CUL/TUV/CE	20.95	18.95
192699	DR-4512ℛ	3	12VDC @ 3.5A	42	85-264 @ 47-63/120-370	1.5A(115V)/0.75A(230V)	3.0 x 2.6 x 3.6	0.7	UL/CUL/TUV/CE	18.95	16.95
373230	DR-60-12ℛ	1	12VDC @ 4.5A	54	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	UL/CUL/TUV/CE	23.95	21.95
1943457	MDR-60-12ℛ	4	12VDC @ 5A	60	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	UL/CUL/TUV/CE	22.95	20.95
212291	DR-75-12ℛ	6	12VDC @ 6.3A	75	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	UL/CUL/TUV/CE	32.95	29.95
1943511	DR-100-12ℛ	1	12VDC @ 7.5A	90	85-264 @ 47-63/124-370	3.0A(115V)/1.6A(230V)	3.9 x 3.7 x 2.2	0.8	UL/CUL/TUV/CE	32.95	29.95
1943481	MDR-100-12ℛ	5	12VDC @ 7.5A	90	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	UL/CUL/TUV/CE	39.95	35.95
212274	DR-120-12ℛ	7	12VDC @ 10A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	UL/CUL/TUV/CE	40.95	36.95
2099366	SDR-120-12ℛ†	8	12VDC @ 10A	120	88-264/124-370 @ 47-63	1.4A(115V)/10.7A(230V)	4.5 x 1.6 x 4.9	1.5	UL/CUL/TUV/CE	61.95	55.95
2101391	DR-15-15ℛ	9	15VDC @ 1A	15	88-264 @ 47-63	0.88A(115V)/0.48A(230V)	3.7 x 1.0 x 2.2	0.2	UL/CUL/TUV/CB/CE	13.49	12.49
1943342	MDR-20-15ℛ	2	15VDC @ 1.24A	20	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	UL/CUL/TUV/CE	15.95	14.49
373238	DR-60-15ℛ	1	15VDC @ 4A	60	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	UL/CUL/TUV/CE	23.95	21.95
1952986	MDR-10-24ℛ	2	24VDC @ 0.42A	10	85-264 @ 47-63/120-370	0.33A(115V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	UL/CUL/TUV/CE	13.49	12.49
2100873	DR-15-24ℛ	9	24VDC @ 0.63A	15.2	85-264 @ 47-63/120-370	0.88A(115V)/0.48A(230V)	2.2 x 1.0 x 3.7	0.2	UL/CUL/TUV/CE	13.49	12.49
1943385	MDR-20-24ℛ	2	24VDC @ 1A	24	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	UL/CUL/TUV/CE	15.95	14.49
373203	DR-30-24ℛ	1	24VDC @ 1.5A	36	85-264 @ 47-63/120-370	1.1A(115V)/0.6A(230V)	3.1 x 3.7 x 2.2	0.6	UL/CUL/TUV/CE	16.95	15.49
1943422	MDR-40-24ℛ	4	24VDC @ 1.7A	40.8	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	UL/CUL/TUV/CE	20.95	18.95
192681	DR-4524ℛ	3	24VDC @ 2A	48	85-264 @ 47-63/120-370	1.5A(115V)/0.75A(230V)	3.0 x 2.6 x 3.6	0.7	UL/CUL/TUV/CE	18.95	16.95
373246	DR-60-24ℛ	1	24VDC @ 2.5A	60	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	UL/CUL/TUV/CE	23.95	21.95
1943465	MDR-60-24ℛ	4	24VDC @ 2.5A	60	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	UL/CUL/TUV/CE	22.95	20.95
212282	DR-75-24ℛ	6	24VDC @ 3.2A	75	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	UL/CUL/TUV/CE	32.95	29.95
1943490	MDR-100-24ℛ	5	24VDC @ 4A	90	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	UL/CUL/TUV/CE	39.95	35.95
1943537	DR-100-24ℛ	1	24VDC @ 4.2A	100	88-264 @ 47-63/124-370	3.0A(115V)/1.6A(230V)	2.2 x 3.9 x 3.7	0.8	UL/CUL/TUV/CE	32.95	29.95
212266	DR-120-24ℛ	7	24VDC @ 5A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	UL/CUL/TUV/CE	40.95	36.95
1953727	DRH-120-24ℛ	7	24VDC @ 5A	120	340-550 @ 47-63/480-780	0.65A(400V)/0.6A(500V)	3.9 x 2.6 x 4.9	1.7	UL/CE	60.95	54.95
2099374	SDR-120-24ℛ†	8	24VDC @ 5A	120	88-264/124-370 @ 47-63	1.4A(115V)/10.7A(230V)	4.5 x 1.6 x 4.9	1.5	UL/CUL/TUV/CE	61.95	55.95
221892	DRP-240-24ℛ†	10	24VDC @ 10A	240	85-264 @ 47-63/120-370	2.8A(115V)/1.4A(230V)	3.9 x 4.9 x 4.9	2.4	UL/CUL/TUV/CE	64.95	58.95
373123	DRT-240-24ℛ	10	24VDC @ 10A	240	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	UL/CUL/TUV/CE	84.95	76.95
2081086	SDR-240-24ℛ†	8	24VDC @ 10A	240	88-264 @ 47-63/124-370	2.6A(115V)/1.3A(230V)	2.5 x 4.9 x 4.5	2.5	UL/CUL/TUV/CE	99.95	89.95
252663	DRP-480-24ℛ†	11	24VDC @ 20A	480	180-264 @ 47-63/250-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	UL/CUL/TUV/CE	104.95	94.95
295938	DRP-480S-24ℛ†	11	24VDC @ 20A	480	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	UL/CUL/TUV/CE	114.95	104.95
372577	DRT-480-24ℛ	11	24VDC @ 20A	480	3-phase 340-550 @ 47-63/480-780	1.7A(400V)/1.3(500V)	8.9 x 5.0 x 3.9	5.5	UL/CUL/TUV/CE	119.95	109.95
2094944	SDR-480-24ℛ†	12	24VDC @ 20A	480	88-264 @ 47-63/124-370	2.6A(115V)/1.3A(230V)	4.9 x 3.4 x 5.0	4.9	UL/CUL/TUV/CE	154.95	139.95
373131	DRT-960-24ℛ	11	24VDC @ 40A	960	340-550 @ 47-63	2A(400V)/1.6A(500V)	10.9 x 3.9 x 4.9	7.3	UL/CUL/TUV/CE	224.95	209.95
1943473	MDR-60-48ℛ	4	48VDC @ 1.25A	60	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	UL/CUL/TUV/CE	22.95	20.95
221904	DR-120-48ℛ	7	48VDC @ 2.5A	120	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	UL/CUL/TUV/CE	40.95	36.95
1953735	DRH-120-48ℛ	7	48VDC @ 2.5A	120	340-550 @ 47-63/480-780	0.65A(400V)/0.6A(500V)	3.9 x 2.6 x 4.9	1.7	UL/CE	39.95	36.95
2107338	SDR-120-48ℛ	8	48VDC @ 2.5A	120	88-264 @ 47-63	1.4A(115V)/0.7A(230V)	4.9 x 1.6 x 4.5	1.5	UL/CUL/TUV/CB/CE	61.95	55.95
221883	DRP-240-48ℛ†	10	48VDC @ 5A	240	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	UL/CUL/TUV/CE	64.95	58.95
2094936	SDR-240-48ℛ†	8	48VDC @ 5A	240	88-264 @ 47-63/120-370	2.6A(115V)/1.3A(350V)	2.5 x 4.9 x 4.5	2.5	UL/CUL/TUV/CE	99.95	89.95
252655	DRP-480-48ℛ†	11	48VDC @ 10A	480	180-264 @ 47-63/250-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	UL/CUL/TUV/CE	104.95	94.95
301306	DRP-480S-48ℛ†	11	48VDC @ 10A	480	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	UL/CUL/TUV/CE	114.95	104.95
2107346	SDR-480-48ℛ	12	48VDC @ 10A	480	90-264 @ 47-63	5A(115V)/2.5A(230V)	4.9 x 3.4 x 5.1	3.5	UL/CUL/TUV/CB/CE	154.95	139.95

*Switch selectable   †With Power Factor Correction

★For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Power

Dual Adj. Regulated Power Supply Kit

JAMECO ValuePro

- Adjustable positive/negative supplies ±5 to ±15VDC, 175mA–750mA per supply
- LED on indicator   • 48-piece kit
- PC board construction
- Difficulty level: intermediate   • 120VAC input
- Size: 5.1"L x 3.5"W x 2.0"H   • Weight: 2.1 lbs.

Part No.	Cross Ref. No.	1	5
20626	JE215	$29.95	$26.95

We carry AT & ATX Computer Power Supplies – See page 148

OPEN-FRAME AC-DC SWITCHING & MEDICAL POWER SUPPLIES

Non-Medical

Part No.	Mfr.	Mfr. Part No.	Output	Power	1	10
2197741	Skynet	SNP-N563	3.3V@6A / 5V@8A	60W	$11.95	$10.95
2188617	Powdec	CMC0522	5V@1.5A / 12V@0.6A	15W	11.95	10.95
2188692	TDK Lambda	ZWS5-5	5V@1A	5W	10.95	9.95
2188730	Phihong	PSA10L-050	5V@2A	10W	12.95	11.95
2188772	UMEC	UP0401S-09	9V@4.4A	40W	12.95	11.95

Medical-Grade

Part No.	Mfr.	Mfr. Part No.	Output	Power	1	10
2129676	Elpac	MSM40D	5.1V@4A / 24V@1A /-12V@0.4A	40W	$10.95	$9.95
2205413	Astrodyne	ASM60-1380	12V@5A	60W	12.95	11.95
2129633	Elpac	MS6524F	24V@2.7A	65W	5.95	4.95
2129684	Elpac	MSM7524	24V@4.6A	110W	13.95	12.49

★Power Inverters — Enter Web Code XEL

15 to 504-Watt Enclosed Converters

Performance at Value Prices

- 2:1 wide input range   • 100% burn-in test   • Working temp.: -10°C to +60°C   • Protection: short-circuit, overload and overvoltage

SD-15 Series • Built-in EMI filter, low ripple noise   • One-year warranty

SD-25/SD-50/SD-100/SD-150 Series • Isolation voltage: 1500VDC   • Built-in EMI filter, low ripple noise   • One-year warranty

SD-200/350 Series • Isolation volt.: 1500VDC   • Cooling by free air convection   • Fixed switching freq @ 83kHz • **SD-200:** One-year warranty; **SD-350:** Two-year warranty

SD-500 Series • Isolation voltage: 2000VAC   • DC input active surge current limiting
- Wide 4:1 ~ 2:1 SC input range   • Forced air cooling by built-in DC fan w/ fan speed control function   • Three-year warranty

SD-150

★Web Code: UBC

Part No.	Mfr. Part No.	Input Range	Output Voltage @ Current	Power (W)	Size (L" x W" x H")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Certification	1	10
1953778	SD-15A-5ℛ	9.2-18V	+5V @ 3.0A	15	3.1 x 2.0 x 1.1	5	0.5	0.5	100	CE	$13.49	$12.49
1953786	SD-15B-5ℛ	18-36V	+5V @ 3.0A	15	3.1 x 2.0 x 1.1	5	0.5	0.5	100	CE	13.49	12.49
175662	SD-25A-5ℛ	9-18V	+5V @ 5.0A	25	3.9 x 3.8 x 1.4	5	0.5	0.5	100	CE	21.95	19.95
212549	SD-50A-5ℛ	9-18V	+5V @ 10A	50	6.3 x 3.8 x 1.5	5	0.5	0.5	100	CE	26.95	24.49
1953823	SD-15B-12ℛ	18-36V	+12V @ 1.25A	15	3.1 x 2.0 x 1.1	5	0.3	0.3	120	CE	13.49	12.49
1953840	SD-15C-12ℛ	36-72V	+12V @ 1.25A	15	3.1 x 2.0 x 1.1	5	0.3	0.3	120	CE	13.49	12.49
175805	SD-25A-12ℛ	9-18V	+12V @ 2.1A	25.2	3.9 x 3.8 x 1.4	5	0.3	0.3	120	CE	21.95	19.95
2107178	SD-25C-12ℛ	36-72V	+12V @ 2.1A	25.2	3.9 x 3.8 x 1.4	5	0.3	0.3	120	CE	21.95	19.95
1537483	SD-50A-12ℛ	9.2-18V	+12V @ 4.2A	50.1	6.3 x 3.8 x 1.5	5	0.3	0.3	120	CE	26.95	24.49
212531	SD-50B-12ℛ	19-36V	+12V @ 4.2A	50.4	6.3 x 3.8 x 1.5	5	0.3	0.3	120	CE	26.95	24.49
212506	SD-50C-12ℛ	36-72V	+12V @ 4.2A	50.4	6.3 x 3.8 x 1.5	5	0.3	0.3	120	CE	26.95	24.49
212469	SD-100C-12ℛ	36-72V	+12V @ 8.5A	102	7.8 x 3.9 x 1.5	7	0.3	0.3	120	CE	33.95	30.95
217270	SD-150B-12ℛ	19-36V	+12V @ 12.5A	150	7.8 x 4.3 x 2.0	7	0.5	0.5	120	CE	43.95	39.95
1953920	SD-200C-12ℛ	36-72V	+12V @ 16.7A	200.4	8.5 x 4.5 x 2.0	9	0.5	1.0	120	CE	74.95	67.95
1953760	SD-200D-12ℛ	72-144V	+12V @ 16.7A	200.4	8.5 x 4.5 x 2.0	9	0.5	1.0	120	TUV/CE	74.95	67.95
1953962	SD-350B-12ℛ	19-36V	+12V @ 27.5A	330	8.5 x 4.5 x 2.0	9	0.3	1.0	120	CE	89.95	79.95
1954033	SD-500L-12ℛ	19-72V	+12V @ 40A	480	8.5 x 4.5 x 2.0	7	0.5	0.5	150	CE	134.95	119.95
175813	SD-25A-24ℛ	9-18V	+24V @ 1.1A	26.4	3.9 x 3.8 x 1.4	5	0.2	0.2	150	CE	21.95	19.95
2107186	SD-25C-24ℛ	36-72V	+24V @ 1.1A	26.4	3.9 x 3.8 x 1.4	5	0.2	0.2	150	CE	21.95	19.95
2107266	SD-50A-24ℛ	9.2-18V	+24V @ 2.1A	50.4	6.3 x 3.8 x 1.5	5	0.2	0.2	150	CE	26.95	24.49
212514	SD-50B-24ℛ	19-36V	+24V @ 2.1A	50.4	6.3 x 3.8 x 1.5	5	0.2	0.2	150	CE	26.95	24.49
2107039	SD-100C-24ℛ	36-72V	+24V @ 4.2A	100.8	7.8 x 3.9 x 1.6	7	0.2	0.2	150	CE	33.95	30.95
2107098	SD-150C-24ℛ	36-72V	+24V @ 6.3A	151.2	7.8 x 4.3 x 2.0	7	0.3	0.3	150	CE	43.95	39.95
2107119	SD-150D-24ℛ	72-144V	+24V @ 6.3A	151.2	7.8 x 4.3 x 2.0	7	0.3	0.3	150	TUV/CE	43.95	39.95
1953954	SD-200B-24ℛ	19-36V	+24V @ 8.4A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	150	CE	74.95	67.95
1953743	SD-200C-24ℛ	36-72V	+24V @ 8.4A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	150	UL/CE	74.95	67.95
1954009	SD-350C-24ℛ	36-72V	+24V @ 14.6A	350.4	8.5 x 4.5 x 2.0	9	0.2	1.0	150	CE	89.95	79.95
1953971	SD-350B-24ℛ	19-36V	+24V @ 14.6A	350.4	8.5 x 4.5 x 2.0	9	0.2	1.0	150	CE	89.95	79.95
1954025	SD-500L-24ℛ	19-72V	+24V @ 21A	504	8.5 x 4.5 x 2.0	7	0.5	0.5	150	TUV/CE	134.95	119.95
1953911	SD-200B-48ℛ	19-36V	+48V @ 4.2A	201.6	8.5 x 4.5 x 2.0	9	0.5	1.0	150	CE	74.95	67.95
1953989	SD-350B-48ℛ	19-36V	+48V @ 7.3A	350.4	8.5 x 4.5 x 2.0	9	0.3	1.0	120	CE	89.95	79.95

Unregulated Encapsulated Converters

★Web Code: SBH

- Input range: 4.5-5.5V   • 1000VDC isolation
- Ripple & noise: 100mV p-p   • 100% burn-in test
- Input filter: capacitor type   • Protection: short-circuit
- Line & load regulation: ±1.0%   • One-year warranty
- No external components needed   • Working temp.: -15°C to +60°C

216831

Part No.	Mfr. Part No.	Output Voltage@Current	Power	Size (L"xW"xH")	Pins	1	10
213226	SRS-0505ℛ	+5V @ 100mA	0.5W	.88 x .39 x .33	8	$4.49	$3.95
216831	SPR01L-12ℛ	+12V @ 84mA	1W	.77 x .28 x .40	4	4.95	4.49

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Power

Encapsulated DC-to-DC Converters

★ Web Code: NAX

SCW03, SCW05, SCW08, SDM30, SKE10, SKA15, SKE15 & SLW05 Series

- 1000VDC I/O isolation
- Short-circuit/overload protection
- Shield metal case
- 2:1 wide input range
- Cooling by free air convection
- One-year warranty

SCW03   SLW05

DCW03, DCW08 & DKE10 Series

- 1000VDC I/O isolation
- 2:1 wide input range
- Short-circuit/overload protection
- Cooling by free air convection
- Shield metal case
- One-year warranty

DCW08   DKE10

DKA30 Series

- 1000VDC I/O isolation
- Short-circuit/overload protection
- Cooling by free air convection
- Remote on/off control
- 2:1 wide input range
- Six sided shielded metal case
- One-year warranty

DKA30

Part No.	Manufacturer	Mfr. Part No.	Input Range	Output Voltage @ Current	Pwr (W)	Size (L" x W" x H")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Certification	Pricing 1	10
Single Output													
213269	Mean Well℟	SCW03A-05	9-18V	+5V @ 0.6A	3	1.25 x 0.8 x 0.48	10	1.0	0.5	100	CE	$9.95	$8.95
216937	Mean Well℟	SLW05B-05	18-36V	+5V @ 1A	5	2.0 x 1.0 x 0.44	5	1.0	0.2	100	CE	12.95	11.95
1953313	Mean Well℟	SCW05B-05	18-36V	+5V @ 1A	5	1.25 x 0.8 x 0.48	8	0.5	0.5	50	CE	10.95	9.95
213234	Mean Well℟	SLW05C-05	36-72V	+5V @ 1A	5	2.0 x 1.0 x 0.44	5	1.0	0.2	100	CE	12.95	11.95
216962	Mean Well℟	SKE10A-05	9-18V	+5V @ 2A	10	2.0 x 1.0 x 0.44	5	0.3	1.0	50	CE	18.95	16.95
155716	Mean Well℟	SKE15A-05	9-18V	+5V @ 3A	15	2.0 x 2.0 x 0.43	5	0.3	0.5	50	CE	18.95	16.95
1953495	Mean Well℟	SCW08A-12	9-18V	+12V @ 0.67A	8	1.25 x 0.8 x 0.48	8	0.5	0.5	60	CE	14.95	13.49
155708	Mean Well℟	SKE15A-12	9-18V	+12V @ 1.25A	15	2.0 x 2.0 x 0.43	5	0.3	0.5	60	CE	18.95	16.95
1953161	Mean Well℟	SKA15-12	9-18V	+12V @ 1.25A	15	2.0 x 1.0 x 0.44	5	0.2	0.5	60	CE	19.95	17.95
217242	Mean Well℟	SDM30-24S12	18-36V	+12V @ 2.5A	30	2.0 x 2.0 x 0.63	8	1.0	1.0	100	CE	26.95	24.49
155695	Mean Well℟	SKE15A-24	9-18V	+24V @ 0.625A	15	2.0 x 2.0 x 0.43	5	0.3	0.5	80	CE	18.95	16.95
Double Output													
161702	Mean Well℟	DCW03A-12	9-18V	±12V @ 0.125A	3	1.25 x 0.8 x 0.48	10	1.0	0.5	100	CE	$9.95	$8.95
217092	Mean Well℟	DKE10-12	9-18V	±12V @ 0.42A	10	2.0 x 1.0 x 0.44	5	0.3	0.5	60	CE	18.95	17.49
1953364	Mean Well℟	DCW08A-15	9-18V	±15V @ 0.267A	8	1.25 x 0.8 x 0.48	8	0.5	0.5	60	CE	14.49	13.49
217112	Mean Well℟	DKE10A-15	9-18V	±15V @ 0.333A	10	2.0 x 1.0 x 0.44	5	0.3	0.5	60	CE	18.95	17.49
217075	Mean Well℟	DKE10B-15	18-36V	±15V @ 0.333A	10	2.0 x 1.0 x 0.44	5	0.3	0.5	60	CE	18.95	17.49
1954130	Mean Well℟	DKA30A-15	9-18V	±15V @ 1A	30	2.0 x 2.0 x 0.82	8	0.5	0.5	100	CE	25.95	23.95

Wall Adapter Power Supplies

- **2138636:** Input 100-240VAC @50-60Hz
- **2179788:** Input 100-240VAC @50-60Hz, 2.5mmx5.5mm plug
- **2082142:** Input 120VAC @ 60Hz, screw terminals
- Short-circuit, over-voltage and over-current protection

2179788   2082142

Part No.	Mfr.	Output	Description	1	10
2138636	Emerson	5VDC @ 0.2A	AC/DC switching adapter with USB port	$3.95	$3.49
2179788	Westell℟	12VDC @ 1.5A	AC/DC switching adapter w/ EMI filter	10.95	9.95
2082142	Ault	18VAC @ 0.9A	AC/AC wall transformer, UL approved	5.95	4.95

★Switching Wall Adapters — Enter Web Code CDZ

Receiving Specialist

"I love working at Jameco. The company has always treated me well. Every day is different and it's never boring!"

20 Years of Service

ROGER

Encapsulated DC-DC Converters

Here are some of the best-selling DC-DC converters that take up less space than a box of matches! Use them anytime you need to convert one DC voltage to another.

- 2:1 wide input range
- Input Pi network filter
- 100VDC I/O isolation
- Short-circuit and overload protection

161702

Part No.	Mfr. Part No.	Output	Input Range	Size (L" x W" x H")	Price
216937	SLW05B-05	5V @ 1A	18-36V	2.0 x 1.0 x 0.44	$12.95
213234	SLW05C-05	5V @ 1A	36-72V	2.0 x 1.0 x 0.44	12.95
161702	DCW03A-12	12V @ 125mA	9-18V	1.25 x 0.8 x 0.48	9.95
155695	SKE15A-24	24V @ 625mA	9-18V	2.0 x 2.0 x 0.43	18.95

NEW SPECIAL BUYS — POWER SUPPLIES

Part No.	Description	Output Voltage @ Current	1	10
320258	AC-AC wall adapter	9VAC @ 1.5A	$9.95	$8.95
2197468	Switching wall adapter	12VDC @ 1A	9.95	8.95
2197601	Switching table-top	12VDC @ 2A	10.95	9.95
2158485	Switching table-top	12VDC @ 4.2A	13.95	12.95
2148009	Enclosed LED	30VDC @ 5A	49.95	44.95
2197855	Switching enclosed	48VDC @ 6.7A	59.95	54.95

★For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Power

Lithium, NiCd, NiMH, Li-Ion & LiFePO4 Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

Lithium – Non-rechargeable
Coin Cell
★ Web Code: LBT

Part No.	Product No.	Mfr.	Fig.	Size	Volts	mAh	Dimensions	1	10	25
2123784	CR1220	Evergreen	1	CR1220	3	40	0.49"Dia. x 0.77"Thick	$.85	$.75	$.65
2119865	CR1632	Evergreen	1	CR1632	3	120	0.63"Dia. x 0.13"Thick	.99	.89	.79
2167509	CR2025BP-2★	Energizer	1	CR2025	3	162	0.79"Dia. x 0.10"Thick	2.75	2.49	2.25
14162	CR2032	ReliaPro	1	CR2032	3	180	0.79"Dia. x 0.13"Thick	1.09	.99	.85
11789	CR2325	ReliaPro	1	CR2325	3	165	0.91"Dia. x 0.13"Thick	1.79	1.59	1.45
2132251	CR2450C†	FDK	2	CR2450	3	550	0.95"Dia. x 0.20"Thick	.89	.79	.69
2119216	CR2450ℛ	Evergreen	1	CR2450	3	550	0.95"Dia. x 0.20"Thick	1.59	1.45	1.29
2133561	2CR2450††	NewSun	3	CR2450	3	1100	0.95"Dia. x 0.43"Thick	1.95	1.75	1.49
2158231	CR927ℛ	ReliaPro	1	CR927	3	30	0.37"Dia. x 0.10"Thick	.49	.45	.39

★Sold in multiple of 2   †1.5" wire w/ connector   ††(2p) 3" w/ connector

Pressure Fit

Part No.	Product No.	Mfr.	Fig.	Size	Volts	mAh	Dimensions	1	10	25
126754	TL-5101S	Tadiran	4	1/2 AA	3.6	950	0.95"L x 0.56"Dia.	$4.95	$4.49	$4.09
240266	ER14250	ReliaPro	4	1/2 AA	3.6	1000	1.00"L x 0.55"Dia.	3.55	3.25	2.95
2188561	LS14250	Saft	4	1/2 AA	3.6	1200	1.00"L x 0.56"Dia.	4.95	4.49	4.25
146114	TL-5104/S	Tadiran	5	AA	3.6	2100	1.91"L x 0.56"Dia.	6.95	6.25	5.65
240258	CR123A	Evergreen	6	CR123A	3	1300	1.36"L x 0.65"Dia.	2.75	2.49	2.25

Axial Leads

Part No.	Product No.	Mfr.	Fig.	Size	Volts	mAh	Dimensions	1	10	25
33371	TL-5101P	Tadiran	7	1/2 AA	3.6	950	0.93"L x 0.56"Dia.	$6.25	$5.65	$4.95
263898	ER14250	ReliaPro	7	1/2 AA	3.6	1000	1.00"L x 0.55"Dia.	4.75	4.25	3.85
33398	TL-5104/P	Tadiran	8	AA	3.6	2100	1.88"L x 0.56"Dia.	6.95	6.25	5.65

NiCd – Rechargeable – Pressure Fit
★ Web Code: GCF

Part No.	Product No.	Mfr.	Fig.	Size	Volts	mAh	Dimensions	1	10	25
261657	AA-700-CT	ReliaPro	5	AA	1.2	700	1.90"L x 0.55"Dia.	$1.69	$1.49	$1.35
244515	AA-1000-CT	ReliaPro	5	AA	1.2	1000	1.90"L x 0.55"Dia.	2.75	2.49	2.25
244574	SC-1500	ReliaPro	9	Sub-C	1.5	1500	1.70"L x 0.89"Dia.	2.75	2.49	2.25

NiMH – Rechargeable
Pressure Fit
★ Web Code: GCF

Part No.	Product No.	Mfr.	Fig.	Size	Volts	mAh	Dimensions	1	10	25
231095	10405	Tenergy	10	AAA	1.2	1000	1.70"L x 0.40"Dia.	$3.49	$3.15	$2.79
231087	AA-1800NM	Dantona	5	AA	1.2	1800	1.90"L x 0.55"Dia.	3.49	3.15	2.79
2162724	AA2500APZ	Powerizer	5	AA	1.2	2500	1.90"L x 0.55"Dia.	2.95	2.75	2.49
2197492	AA2500-4★	Powerizer	5	AA	1.2	2500	1.90"L x 0.55"Dia.	8.95	7.95	6.49
2127777	AA-2500CT	Tenergy	5	AA	1.2	2500	1.90"L x 0.55"Dia.	3.95	3.55	3.19
244620	10005	Tenergy	11	9V	8.4	200	1.94"L x 0.65"Dia.	9.75	8.75	7.95

★Pack of 4

PC Pin (2 & 3 pin)

Part No.	Product No.	Mfr.	Fig.	Size	Volts	mAh	Dimensions	1	10	25
2137473	NHB60H3A2H	Evergreen	12	2 pin	3.6	80	0.72"L x 0.61"Dia.	$4.49	$3.95	$3.55
2129342	COMP-16-3NMH	Dantona	12	3 pin	3.6	80	0.72"L x 0.61"Dia.	5.25	4.95	4.69

Li-Ion – Rechargeable – Pressure Fit
★ Web Code: LII

Part No.	Product No.	Mfr.	Fig.	Size	Volts	mAh	Dimensions	1	10	25
2144286	30201ℛ	Tenergy	6	RCR123A	3	900	1.26"L x 0.63"Dia.	$4.69	$4.49	$4.25
2140349	30006ℛ	Tenergy	13	18650	3.7	2600	2.56"L x 0.72"Dia.	9.95	9.49	8.95

LiFePO4 – Rechargeable
Pressure Fit
★ Web Code: LIF

Part No.	Product No.	Mfr.	Fig.	Size	Volts	mAh	Dimensions	1	10	25
2144227	30225	Tenergy	5	14500	3.2	400	1.91"L x 0.56"Dia.	$2.25	$1.95	$1.75
2144278	30200	Tenergy	6	RCR123A	3.2	900	1.26"L x 0.63"Dia.	2.95	2.65	2.39

2 Tabs

Part No.	Product No.	Mfr.	Fig.	Size	Volts	mAh	Dimensions	1	10	25
2144294	30207	Tenergy	14	Prismatic	3.2	10000	9.0"L x 3.2"W x 0.3"T	$34.95	$32.95	$29.95

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Fig. 1   Fig. 2   Fig. 3
Fig. 4   Fig. 5   Fig. 6
Fig. 7   Fig. 8
Fig. 9   Fig. 10   Fig. 11
Fig. 12   Fig. 13   Fig. 14

12V Lithium-Ion Rechargeable Battery Pack

High-powered, ultra-compact, covert battery pack with charger. Provides the same power as larger batteries at a fraction of the size and weight.

- Charging adapter included
- On/Off switch
- LED indicators
- 18" power cord
- 4500 mAh
- Input: 110-230VAC 50/60Hz
- Output: 12.6VDC, 350mA
- Connection: 2.1mm female output, 2.1mm male input
- Size: 3.0"L x 2.0"W x 0.75"H   • Weight: 0.58 lbs.

Part No.	Description	1	10
2129351	LBP-124500	$54.95	$49.95

USB Li-Ion/LiPoly Charger

- Assembled. Includes bonus 2-pin JST cable
- For 3.7/4.2V (not compatible with 3.6/4.1V cells)
- Connect via USB mini-B
- 500mA default fast-charge current
- Battery and USB cable sold separately
- 0.1" breakouts for battery, DC and status LEDs
- Size: 1.3" x 1.4" x 0.3"

NEW MARKED IN PINK

Part No.	Mfr. Part No.	1	5
2144366	259	$17.95	$15.95

Evergreen, Energizer® & Duracell® Alkaline Batteries

Image part numbers: 2120153, 198731, 198791, 215845, 2112461, 2112444, 2112436, 198707, 198715, 2158493

★ Web Code: NBF

Blowout Prices

Part No.	Size	Min	1	12
2112461	9V, Super Alkaline Vinnic††	2	**$1.25**	**$1.09**
2158493	1.5V, AA Microbatt†††*	2	.35	.29
2112444	1.5V, AA Evergreen†	4	.45	.39
2112436	1.5V, AAA Evergreen††	2	.49	.45

Part No.	Size		1	10
2120153	9-volt Winco	....	$1.25	$1.09
198731	9-volt Energizer®	....	2.25	1.95
198791	9-volt Duracell® Procell®	....	2.95	2.65
215845	1.5V D-cell Energizer®	....	1.19	1.09

Part No.	Size	Min	1	40	100
198707	AA Energizer®†	4	$.79	$.69	$.65
198715	AAA Energizer®†	4	.69	.59	.55

† Sold in multiples of 4   †† Sold in multiples of 2   *Cadimium

Silver Oxide and Zinc Chloride Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers / descramblers and remotes.

★ Web Code: XAB

Image part numbers: 140783, 151095, 2183699

Part No.	Cross Ref.	Description	1	10
140783	357	Silver oxide, button, 1.55V, 175mAh	$1.39	$1.25
2119822	ER03MSG	Zinc chloride, 1.5V, AAA	.45	.35
151095	GF6F22	Zinc chloride, 9V	1.29	1.19
2183699	4R25-EV	Zinc chloride, 6V, 7400mAh	3.95	3.55

Smart Balancing Battery Chargers

★ Web Code: LAC

For NiMH / NiCD / Li-PO / LiFePO4 / SLA

- Protective circuitry to control charging process and auto power cut-off
- Built-in balancer automatically balances batteries during charging, ensuring full charge
- Advanced individual charging method can charge each cell individually and safely

Image part numbers: 2144315, 2144235

Part No.	Mfr. Part No.	Compatible Chemistry	Compatible Battery Size	Output	1	5	25
2144315	01267ℛ	Li-Ion, Li-PO, LiFePO4	1S-4S battery packs w/ XH connector	3.6-16.8V @ 1A	$24.95	$22.95	$21.95
2144235	01322ℛ	NiMH, NiCd, Li-Ion, LiFePO4, LiPO, SLA (Pb)	Octopus harness – HiTech, JST, Tamiya, Deans, Traxxas, and EC3 connectors	0.1-5A (50W max.)	89.95	79.95	74.95

7.4V LiPo BATTERY

- 2200mAh
- 20C cont. discharge
- Arduino-compatible 2.1mm DC power jack
- Can be recharged by 9V DC power supply

P/N 2167787 $24.95

Universal NiCd/NiMH Charger

- Fast charging in the specified period with an automatic switch for trickle charge
- Built-in IC timer control

★ Web Code: LAC

Part No.	Mfr. Part No.	Compatible Battery	1	10	25
231132	CHG-6P	AAA, AA, C, D, 9V	$22.95	$19.95	$17.95

Wall Type NiMH/NiCd Battery Charger

- Input voltage: 120VAC @ 60Hz
- Output power: 1.2VA
- 2 individual charging channels
- Retractable AC prongs
- LED indicator and reverse polarity protection

NEW MARKED IN PINK

Part No.	Mfr. Part No.	Description	1	10	25
2197505	KN-101	AA/AAA/9V charger	$12.95	$11.49	$9.95

Compact Battery Testers

Simply lift the swivel arm of this tester and place the battery between the contacts and it will provide you a voltage measurement of your batteries. Tests AAA, AA, C, 9V and button cell batteries.

Part No.	Mfr. Part No.	Description	1	10
239556	BATTEST	Analog meter display	$3.95	$3.49
2130811	BATTEST2	LCD display	13.95	12.95

Portable Li-Ion Power Banks

Recharge the power bank via 5V USB micro-B. 4-in-1 multi-use USB cable included to charge iPhone/iPod/iPad, iPhone5/iPad (Lightning) and USB micro-B.

★ Web Code: XEL

Image part numbers: 2192608, 2192632

Part No.	Mfr. Part No.	Output	mAh	Color	1	5
2192587	KSLP26-WTℛ	5V @ 1A	2600	White	$19.95	$17.95
2192595	KSLP26-BKℛ	5V @ 1A	2600	Black	19.95	17.95
2192608	KSLP26-PKℛ	5V @ 1A	2600	Red	19.95	17.95
2192616	KSLP26-BLℛ	5V @ 1A	2600	Blue	19.95	17.95
2192624	MTXL78-BKℛ*	5V @ 1A/2A	7800	Black	34.95	29.95
2192632	MDXL78-WTℛ*	5V @ 1A/2A	7800	White	34.95	29.95
2205376	PWUSB002ℛ	4-in-1 cable	—	White	9.95	8.49

*Built-in LED flashlight

120-Watt Single Output Battery Charger

- Current detecting battery charger for lead-acid batteries
- Voltage range: 88~132VAC/176~264VAC (47~63Hz) selected by switch
- Power: 118.7W; 27.6V @ 4.3A
- Short circuit, overload, over-voltage, over-temp. protection
- Output conn.: 3-pin male XLR, see pg 51 for mating connector
- 3 pole AC inlet with fuse holder
- Two-year warranty
- Complete specifications on page 117

★ Web Code: LAC

Part No.	Mfr. Part No.	Size (L" x W" x H")	Wt. (lbs.)	1	5
2102983	PB-120N-27Cℛ	7.09 x 3.78 x 1.93	2.4	$44.95	$39.95

13.5VDC @ 2.2A Switch Mode Battery Charger

- Input voltage: 100 to 240VAC @ 50-60Hz
- Output voltage: 13.5V @ 2.2A
- Output connector: 30" cable with 4-position (2 x 2 grid) Molex Mini-Fit Jr. 5559 series connector (39-01-2041)
- UL/CUL listed

★ Web Code: LAC

Includes: 5' 3-prong mickey mouse type power cord

Part No.	Mfr. Part No.	Size (L" x W"x H")	1	10	25
2139006	3G-301DN13	7.09 x 3.78 x 1.93	$7.95	$6.95	$5.95

Auxiliary Power Supply/Charger

NEW MARKED IN PINK

This power supply / charger provides 6VDC or 12VDC at 1.5A output for powering alarm devices. Voltage is user selectable by positioning the output jumper to the desired voltage. Green LED remains on as long as AC power is connected to the terminal strip and red LED remains on as long as DC powerv is available at the terminal strip

- Power supply output (to power supply back-up battery, 12V mode charging voltage 13.6VDC at 130mA max)
- Power supply output to load: 13.6VDC at 1.5A max. (without battery backup)
- Recommended back-up battery: standard 4AH, sealed acid type
- Includes adhesive strips for mounting

Part No.	Mfr. Part No.	Size (L" x W" x H")	1	10	25
2197821	MG1261.5A	4.0 x 2.0 x 1.6	$15.95	$14.95	$13.95

Batteries

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
| NAME BRANDS | HOUSE BRANDS | SPECIAL BUY |

JAMECO | ReliaPro **Coin Cell, Single and Dual-Sided Battery Holders**

NEW MARKED IN PINK

Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, tabs or snaps.

★ **Web Code: UAB**

Part No.	Cross Ref. No.	*Mfr.	Fig.	No. of Cells	Conn. (L")	Sides	Features*	1	10	100	500
216283	BH-421-1A ℛ	JRP	1	2-AAA	Wires, 5.5	Single	26 AWG	$.59	$.55	$.49	$.45
2197935	BC-0302 ℛ	JRP	26	1-AA/AAA	PC mount	Single	.3" (2mm) spacing	.29	.25	.22	.19
216292	SBH-421-AS*	JRP	1	2-AAA	Wires, 5.5	Single	w/ cover&sw, 26 AWG	.79	.75	.69	.65
216303	BH-431-1A	JRP	2	3-AAA	Wires, 5.5	Single	26 AWG	.79	.69	.65	.59
216312	SBH-431-1AS ℛ*	JRP	2	3-AAA	Wires, 6.0	Single	w/ cover&sw, 26 AWG	.95	.85	.75	.69
216339	SBH-441-AS ℛ*	JRP	3	4-AAA	Wires, 5.5	Single	w/ cover&sw, 26 AWG	1.45	1.29	1.19	.89
216072	BH-311-2A ℛ	JRP	4	1-AA	Wires, 5.5	Single	26 AWG	1.05	.95	.85	.75
216081	BH-321-2A ℛ	JRP	1	2-AA	Wires, 5.5	Single	26 AWG	.75	.69	.59	.55
216099	BH-321-4A ℛ	JRP	1	2-AA	Wires, 5.5	Single	w/ mnt. tabs, 26 AWG	.65	.59	.55	.49
216102	SBH-321-2A ℛ	JRP	5	2-AA	Wires, 5.5	Single	w/ cover, 26 AWG	.75	.69	.59	.55
216120	SBH-321-1AS ℛ*	JRP	5	2-AA	Wires, 5.5	Single	w/ cover&sw, 26 AWG	.89	.79	.72	.65
2151224	140	KEY	22	2-AA	Solder lugs	Single	Metal holder	1.49	1.25	.99	.89
216136	BH-331-A ℛ	JRP	2	3-AA	Wires, 5.5	Single	26 AWG	.85	.77	.69	.62
216144	SBH-331-AS ℛ*	JRP	6	3-AA	Wires, 6.0	Single	w/ cover&sw, 26 AWG	.79	.69	.65	.59
2111329	700-00038 ℛ	PLX	26	4-AA	Wires, 10"	Single	2.1mm DC plug	4.95	4.49	3.95	3.49
216152	BH-341-2A ℛ	JRP	7	4-AA	Wires, 5.5	Single	26 AWG	1.15	1.05	.95	.85
105858	BH-PC ℛ §	JRP	8	4-AA	Wires, 5.5	Single	w/ conn., 26 AWG	.95	.85	.75	.65
216179	BH-343-1A ℛ	JRP	9	4-AA	Wires, 5.5	Dual	26 AWG	.79	.69	.65	.59
2191883	12BH341-GR ℛ	EAG	23	4-AA	Snaps	Dual	—	.85	.75	.65	.55
216187	SBH-341-1AS ℛ*	JRP	3	4-AA	Wires, 6.0	Single	w/ cover&sw, 26 AWG	1.05	.95	.85	.75
2095453	SBH-341-1A ℛ	JRP	3	4-AA	Wires, 5.5	Single	w/ cover, 26 AWG	.99	.89	.79	.69
216223	BH-364-A	JRP	10	6-AA	Wires, 5.5	Single	26 AWG	1.09	.95	.85	.75
216240	BH-383-A	JRP	11	8-AA	Wires, 5.5	Dual	26 AWG	1.09	.95	.85	.75
216267	BH-383-B ℛ	JRP	11	8-AA	Snaps	Dual	—	1.29	1.19	1.09	.95
216259	BH-382-B ℛ	JRP	12	8-AA	Snaps	Dual	—	1.35	1.19	1.09	.79
2208235	12BH023-GR	EAG	27	1-A	PC mount	Single	1mm, 38mm apart	.79	.69	.59	.55
216347	BH-211-A ℛ	JRP	4	1-C	Wires, 5.5	Single	24 AWG	.65	.59	.55	.49
216363	BH-242-1A ℛ	JRP	13	4-C	Wires, 5.5	Single	24 AWG	1.09	.99	.89	.69
216371	BH-111-1A	JRP	4	1-D	Wires, 5.5	Single	26 AWG	.69	.65	.59	.49
216390	BH-121-1A ℛ	JRP	1	2-D	Wires, 5.5	Single	24 AWG	1.19	1.09	.95	.79
216401	BH-142-A ℛ	JRP	13	4-D	Wires, 5.5	Single	24 AWG	1.35	1.19	1.09	.89
2208243	12BH1/2AA-2P-GR ℛ	EAG	28	1- ½ AA	PC mount	Single	.8mm, 29mm apart	.69	.59	.49	.45
2208251	12BH1/2AA-2A-GR ℛ	EAG	28	1- ½ AA	Wires, 5.5"	Single	26 AWG	.79	.69	.59	.55
2128067	SBH-9VAS ℛ*	JRP	5	1-9V	Wires, 5.5	Single	w/ cover&sw, 26 AWG	1.39	1.25	1.09	.95
216427	BH-9V-A ℛ	JRP	14	1-9V	Wires, 5.5	Single	26 AWG	.75	.69	.59	.55
11280	A104-R ℛ	JRP	15	1-9V	Wires, 2.5	Single	26 AWG, snaps	.39	.35	.29	.25
2191891	12BH079-GR ℛ	EAG	16	1-9V	—	Single	Metal holder, flat	.35	.29	.25	.22
105794	GBH-1009-R ℛ	JRP	16	1-9V	—	Single	Metal holder, side	.35	.32	.29	.25
2191904	121-0426/IM-GR ℛ	EAG	24	1-9V	Wires, 4.0	Single	w/ conn., 26 AWG	.49	.45	.39	.35
1949488	BAT-SNAP-4	JRP	17	1-9V	Wires, 3.5	Single	26 AWG, snaps	.29	.26	.23	.19
109154	BC6-R ℛ	JRP	17	1-9V	Wires, 5.5	Single	26 AWG, snaps	.29	.26	.23	.19
216452	SBS-IR-1-R ℛ	JRP	18	1-9V	Wires, 5.5	Single	26 AWG, snaps	.35	.32	.29	.25
101470	A102-R ℛ	JRP	17	1-9V	Wires, 10.0	Single	26 AWG, snaps	.35	.32	.29	.25
2203899	9VSNAPOB6	JRP	25	1-9V	Snaps	Single	PCB mount	.99	.89	.79	.69
2146231	BH-18650-2S ℛ	JRP	20	2-18650	Wires, 6.0	Single	26 AWG	1.95	1.75	1.59	1.45
2178486	321-0001	JRP	19	1-0.79" dia. max	PC mount	Coin cell	CR2032 battery	.85	.75	.65	.59
236996	103	KEY	19	1-0.91" dia. max	PC mount	Coin cell	CR2032 battery	1.65	1.49	1.35	1.19
38543	2S2325	JRP	19	1-0.85" dia. max	PC mount	Coin cell	CR2325 battery	.79	.69	.65	.59
355434	17002-00603	JRP	21	1-0.79" dia. max	PC mount	Coin cell	CR2325 battery	.79	.69	.65	.59

§ Battery holder used in older personal computers (1x4 pos. connector)   * SW = switch

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

Fig. 10

Fig. 11

Fig. 12

Fig. 13

Fig. 14

Fig. 15

Fig. 16

Fig.17

Fig. 18

Fig. 19

Fig. 20

Fig. 21

Fig. 22

Fig. 23

Fig. 24

Fig. 25

Fig. 26

Fig. 27

Fig. 28

Batteries

HEAT SHRINK TUBING & WIRE MANAGEMENT PRODUCTS LOCATED ON PAGES 49-50

*JRP = Jameco ReliaPro | EAG = Eagle Plastics | KEY = Keystone | PLX = Parallax

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

TYSONIC Lead Acid Batteries

- Use with UPS Backup Systems, Security Fire Alarms, Wheel Chairs, Scooters
- Sealed • UL approved • Rechargeable
- One-year manufacturer warranty

264014   264031   318924   264057   264065   264073

Part No.	Mfr. Part No.	Nominal Voltage	Amp-Hrs.	Cross Reference Panasonic	YUASA	Eagle Picher	Tempest	Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing 1	10
2151996	TY-6-1.2	6	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.0 x 2.1	0.7	$6.95	$6.49
264014	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	11.95	10.95
317024	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	19.95	17.95
318844	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	14.95	13.45
264031	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	19.95	17.95
318924	LA-TY-12-3.4	12	3.4	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	21.95	19.95
264049	TY-12-5	12	5.0	—	—	—	—	Quick connect 0.187"	3.5 x 2.7 x 3.9	3.6	22.95	20.65
264057	TY-12-7.5	12	7.5	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	24.95	22.49
264065	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.7	9.0	39.95	35.95
264073	TY-12-18	12	18.0	LCR12V17BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	49.95	44.95
318852	LA-TY-12-35	12	35.0	—	—	—	—	Nut & bolt	7.6 x 5.1 x 6.3	27.6	89.95	84.95

MW 360 & 1000-Watt Single Output Lead Acid Battery Chargers

- Input: 115VAC/230VAC @ 47-64Hz (switch-selectable)
- **1952417/1954332/1954341**: Built-in passive PFC function
- Overload, short-circuit, reverse polarity, over voltage, over temperature protection
- **1952417/1954308/1954316**: Fan on/off control (depending on charging current) • Charger for lead acid batteries
- **1954316**: Size: 10.0"L x 5.3"W x 1.9"H, Weight: 3.3 lbs.
- **1952417/1954308**: Size: 9.3"L x 5.3"W x 1.9"H, Weight: 3.3 lbs.
- **1954332/1954341**: Size: 11.8"L x 7.2"W x 2.8"H, Weight: 7.7 lbs.
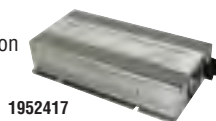
1952417

Part No.	Mfr. Part No.	Watts	Boost Charge Voltage	Float Charge Voltage	Recommended Battery Capacity (AMP Hours)	Pricing 1	10
1952417	PB-360P-12ℛ	360	14.4	13.6	80-200	$94.95	$85.95
1954308	PB-360N-12ℛ	360	14.4	13.6	80-200	86.95	78.95
1954316	PB-360N-24ℛ	360	28.8	27.2	40-125	86.95	78.95
1954332	PB-1000-12ℛ	1000	14.4	13.8	200-600	269.95	249.95
1954341	PB-1000-24ℛ	1000	28.8	27.6	120-350	269.95	249.95

12V LiFePO4 Rechargeable Batteries

- Drop-in replacements for Lead Acid batteries
- Last 5 times longer and half the weight of SLA
- Perfect for motorcycle starter, 12VDC power, medical equipment, LED light power supply, and solar power
- Works with existing charging systems
- 0.25" quick connect terminals

2170290

Part No.	Mfr. Part No.	Amp-Hrs	Size (L" x W" x H")	1	10
2170290	LFP128075ℛ	7.5	5.9 x 2.6 x 3.9	$99.95	$89.95
2170329	LFP128198ℛ	19.8	7.1 x 3.0 x 6.5	249.95	234.95

JAMECO ValuePro Electronic Starter Kit

SAVE $35

This kit includes everything you need to get started with electronics.

Includes one of each:
- 8 function 20K count DMM (P/N 318764, pg 120)
- 6.5" x 3.125" breadboard (P/N 20758, pg 141)
- Wire cutter (P/N 35482, pg 130)
- Wire stripper (P/N 127862, pg 130)
- Solder (P/N 170457, pg 139)
- Hook-up wire (P/N 126085, pg 45)
- 11-pc. precision screwdriver set (P/N 226094, pg 132)
- Jumper wire kit (P/N 2096018, pg 141) • Electrical tape (P/N 285587, pg 139)
- Soldering iron (P/N 129040, pg 134) and stand (P/N 36329, pg 134)
- Assorted capacitors (P/N 17911, pg 33) and resistors (P/N 134130, pg 33)

Part No.	Description	1	5
2099171	Electronic Starter Kitℛ	$99.95	$89.95

LASCAR USB Data Loggers

- Measures and stores up to 32,000 readings
- User programmable alarm thresholds
- Data can be graphed, printed and exported to other applications
- Windows® 98/2000/XP/Vista compatible software included

2076367:
- Relative humidity range: 0 to 100% RH
- Set-ups: logger name, °F/°C, logging rate (10 sec. to 12 hrs.)
- LCD shows high/low and last readings
- Calculated dew point
- User-selectable alarm thresholds

2076412:
- Immediate, delayed and push-to-start mode
- High contrast LCD shows last, high and low stored readings
- Uses either a K, J or T-type thermocouple
- Graph data with downloadable software

2076367

2076412

Part No.	Mfr. Part No.	Description	1	5
2076367	EL-USB-2-LCDℛ	Temp., humidity & dew point data logger	$99.95	$89.95
2076412	EL-USB-TC-LCDℛ	Standalone data logger	99.95	89.95
2116672	1M5 (YELLOW)ℛ	K-type thermocouple probe for 2076367	17.95	15.95

ROGUE Serial Data Logger Module

- Use for data logging (GPS, space/aircraft vehicle telemetry, industrial environment sensors, weather station data)
- 2400-460800 bps serial • 3V-5V operation
- Store script/code for MCU sequencing
- Store images and telemetry for robotics
- Support SD/SDHC/MMC/TF flash memory upto 32GB
- Interface with any MCU (PIC, AVR, 8051, Arduino, etc.)

Part No.	Mfr. Part No.	Description	1	5
2135769	DS-MMC	Serial data logger module	$49.95	$44.95

HANDHELD PROGRAMMER & DATA COLLECTOR
- Compatible with EasyLog (EL-USB) product line
- Collect and store data from at least 500 data loggers
- Navigate menus with a touch screen
- 8 hour rechargeable lithium battery

P/N 2184501 $189.95

DATA LOGGING SHIELD FOR ARDUINO
- SD card interface for FAT16 or FAT32 formatted SD cards
- Compatible with Uno, Leonardo, Mega/ADK R3 or higher
- RTC with battery backup
- SD card and some assembly required

P/N 2184202 $21.95

Batteries

3 LEVELS OF SAVINGS — NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

EXTECH 38073	DT830B	EXTECH MN35	EXTECH 381676	DDM180 Pocket Sized	DVM850BL	BenchPro BP-1562	MASTECH MAS830L	MASTECH MAS838	BenchPro BP-1415	EXTECH EX330	EXTECH EX430	EXTECH EX505	FLUKE 115	FLUKE 117
P/N 1536843	P/N 1928476	P/N 645618	P/N 1537184	P/N 2193803	P/N 355207	P/N 318781	P/N 220759	P/N 220741	P/N 318764	P/N 645626	P/N 1581177	P/N 2094127	P/N 1537328	P/N 1537336
$19.99	$8.95	$19.99	$44.99	$10.95	$17.95	$10.95	$14.95	$19.95	$59.95	$59.99	$94.99	$114.99	$159.95	$179.95

All meters come with probes/leads ★ Web Code: HBK

★ Web Code: HBK

Jameco Part No.	Manufacturer Part No.	Type	No. of Functions	Display Count	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)		Frequency Ranges (Hz)	Temp °C	Temp °F	Diode Test	Battery Test	Continuity Test	Transistor hFE Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H" x W" x D")	Jameco Part No.	Price 1	Price 5
1536843	Extech 38073	AMM	6	1	—	2.5V - 300V	10V - 300V	0.5A - 250mA	—	10KΩ - 1MΩ	—		—	—	—	—	✔	—						3.5 x 6.1 x 1.9	1536843	$19.99	$17.95
1928476	BenchPro DT830B	DMM	4	1999	1V	200mV - 1000V	200V - 750V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔		✔	✔					5.0 x 2.7 x 1.0	1928476	8.95	7.95
645618	Extech MN35	DMM	5	2000	100µV	200mV - 600V	200mV - 600mV	200mA - 10A	—	200Ω - 20MΩ	—		—	-20 to 750	-200 to 1400	✔		✔						5.4 x 3.0 x 1.5	645618	19.99	18.95
1537184	Extech 381676	DMM	5	2000	100µV	200mV - 600V	200m - 600V	—	—	200Ω - 20MΩ	—		—	—	—	✔		✔		✔				8.2 x 1.5 x 1.1	1537184	44.99	39.95
2193803	DDM180♺	DMM	6	1999	1mV	2V - 500V	200V -500V	200mA	—	2kΩ - 2000kΩ	—		—	—	—	✔		✔						9.4 x 3.7 x 1.9	2193803	10.95	9.95
355207	Velleman DVM850BL	DMM	6	2000	100µV	200V - 1000V	200V - 100V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔		✔						5.4 x 2.7 x 1.2	355207	17.95	15.95
318781	BenchPro BP-1562	DMM	6	2000	100µV	200mV - 600V	200V - 750V	200µA - 10A	—	200Ω - 2MΩ	—	↔	—	—	—	✔		✔						5.4 x 2.7 x 1.2	318781	10.95	9.95
2131127	Velleman DVM810♺	DMM	7	2000	1V	200mV - 500V	200mV - 500V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔		✔						3.6 x 1.8 x 1.0	2131127	9.95	8.95
220759	Mastech MAS830L	DMM	7	2000	100µV	200mV - 600V	200V - 600V	200µA - 10A	—	200Ω - 2MΩ	—		—	—	—	✔		✔						5.7 x 3.0 x 1.4	220759	14.95	13.95
2113471	Fluke-87-5	DMM	7	6,000	10uV	0 - 1000V	0 - 1000V	0 - 10A	0 - 10A	0 - 50M	0 - 9999µF		0 - 200K	-200 to 1090	-328 to 1994	✔		✔			✔		✔	7.4 x 3.4 x 1.3	2113471	399.95	—
220741	Mastech MAS838	DMM	8	2000	100µV	200mV - 600V	200V - 600V	.2mA - 10A	—	200Ω - 2MΩ	—		—	-20 to 1000	-4 to 1832	✔		✔						5.7 x 3.0 x 1.4	220741	19.95	17.95
2206070	DDM423♺	DMM	8	2000	1mV	2V - 600V	200V - 600V	200mA - 10A	—	200Ω - 200MΩ	—		—	-20 to 1000	-4 to 1832	✔		✔						5.7 x 3.0 x 1.6	2206070	14.95	12.95
2206061	DDM640♺	DMM	8	2000	0.1mV	200mV - 1000V	200mV - 750V	20µA - 10A	20µA - 10A	200Ω - 200MΩ	—		—	—	—	✔	✔	✔	✔					7.7 x 3.7 x 2.2	2206061	29.95	26.95
318764	BenchPro BP-1415	DMM	8	20,000	10µV	200mV - 1000V	2V - 700V	2mA - 20A	2mA - 20A	200Ω - 200MΩ	2000pF - 20µF		20k	—	—	✔		✔	✔					7.4 x 3.6 x 1.2	318764	59.95	54.95
2206053	DDM230B♺	DMM	8	4000	0.1V	0 - 600V	0 - 600V	0 - 10A	0 - 10A	0 - 10MΩ	0 - 100µF		0 - 5M	—	—	✔		✔		✔				5.8 x 3.0 x 1.6	2206053	59.95	54.95
645626	Extech EX330*	DMM	9	4000	100µV	.1mV - 1000V	.1mV - 750V	.1µA - 10A	.1µA - 10A	.1Ω - 40MΩ	.001nF - 200µF		.001 - 10M	-50 to 1000	-58 to 1832	✔		✔		✔				5.7 x 2.9 x 1.6	645626	59.99	56.95
1581177	Extech EX430	DMM	9	4000	100µV	.1mV - 1000V	.1mV - 750V	.1µA - 20A	.1µA - 20A	.1Ω - 40MΩ	.1nF - 100µF		.001 - 10	-20 to 750	-4 to 1382	✔		✔		✔			✔	7.4 x 3.2 x 2.0	1581177	94.99	89.95
2094127	Extech EX505	DMM	9	4000	10µV	0.1mV - 1000V	0.1mV - 1000V	0.1µA - 10A	0.1µA - 10A	0.1 - 40M	0.01nF - 100µF	↔	0.001 - 9.99M	-20 to 750	-4 to 1382	✔		✔		✔			✔	7.2 x 3.2 x 2.2	2094127	114.99	109.95
1537328	Fluke 115†	DMM	9	6000	100µV	600mV - 600V	600mV - 600V	6A - 10A	6A - 10A	600Ω - 40MΩ	1000nF - 9999µF		99.99 - 50k	—	—	✔		✔		✔	✔		✔	6.3 x 3.3 x 1.9	1537328	159.95	—
1537336	Fluke 117*†	DMM	9	6000	100µV	600mV - 600V	600mV - 600V	6A - 10A	6A - 10A	600Ω - 40MΩ	1000nF - 9999µF		99.99 - 50k	—	—	✔		✔		✔	✔		✔	6.3 x 3.3 x 1.9	1537336	179.95	—
1939651	Extech EX530	DMM	9	40,000	100µV	400mV - 1000V	400mV - 1000V	400mA - 10A	400mA - 10A	400Ω - 40MΩ	40nF - 40µF		40 - 400	-45 to 750	-50 to 1382	✔		✔		✔			✔	7.4 x 3.2 x 2.0	1939651	219.99	209.95
692502	Extech DM110	DMM	10	4000	100µV	0 - 500V	0 - 500V	0A - .40	0A - .40A	400Ω - 400kΩ	0 - 200µF		9 - 10M	—	—	✔		✔		✔				4.3 x 2.2 x 0.5	692502	39.99	37.95
220775	Mastech MY64	DMM	11	2000	100µV	200mV - 1000V	200mV - 700V	2mA - 10A	2mA - 10A	200Ω - 200MΩ	2nF - 20µF		2k - 20k	-20 to 1000	—	✔		✔	✔					7.4 x 3.6 x 1.3	220775	39.95	35.95
645571	Velleman DVM890F	DMM	11	2000	100µV	200mV - 1000V	2V - 700V	2mA - 10A	20mA - 10A	200Ω - 200MΩ	2000pF - 20µF		—	—	-58 to 1832	✔		✔	✔					6.7 x 3.5 x 1.5	645571	39.95	35.95
211650	Extech MN26T	DMM	11	4000	100µV	400mV - 600V	400mV - 600V	400µA - 10A	400µA - 10A	400Ω - 40MΩ	4nF - 200µF		10 - 10M	0 to 760	0 to 1400	✔		✔		✔				4.8 x 2.4 x 1.6	211650	44.99	42.95
117373	BenchPro BP-1949	DMM	11	4000	100µV	400mV - 400V	4V - 400V	400µA - 10A	400µA - 10A	400Ω - 4MΩ	50nF - 100µF		5 - 50k	-20 to 1000	-4 to 1532	✔		✔		✔		✔		7.7 x 3.6 x 1.6	117373	79.95	69.95
137462	BenchPro MS8226T	DMM	11	4000	100µV	400mV - 400V	4V - 400V	400µA - 10A	400µA - 10A	400Ω - 4MΩ	50nF - 100µF		5 - 50k	-20 to 1000	—	✔		✔		✔		✔	✔	7.7 x 3.6 x 1.6	137462	99.95	89.95
2173642	Fluke 179/1AC-II KIT#	DMM	11	6000	0.1µV	0.1mV - 1000V	0.1mV - 1000V	0.01mA - 10A	0.01mA - 10A	0.1Ω - 50MΩ	1nF - 9999µF	↔	2 - 100k	-40 to 400	-40 to 752	✔		✔		✔	✔		✔	7.7 x 3.6 x 1.6	2173642	349.95	—
2173634	Fluke 87-5/E2 KIT#	DMM	11	19,999	600mV	600mV - 1000V	600mV - 1000V	600µA - 10A	600µA - 10A	600Ω - 50MΩ	10nF - 9999µF		199.99 - 199.9k	-200 to 1090	-328 to 1994	✔		✔		✔	✔		✔	7.7 x 3.6 x 1.6	2173634	474.95	—
220767	Mastech MY68	DMM	12	3260	326nV	326mV - 1000V	3.26V- 700V	326µA - 10A	326µA - 10A	326Ω - 32.6MΩ	326nF - 32.6µF		32.6k - 150k	—	—	✔		✔	✔					7.4 x 3.6 x 1.3	220767	44.95	39.95
192655	Fluke 175	DMM	12	6000	100µV	600mV - 1000V	600mV - 1000V	60mA - 10A	60mA - 10A	600Ω - 50MΩ	1000nF - 9999µF		99.99 - 99.99k	—	—	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	192655	249.95	—
2112532	Extech EX570	DMM	12	40,000	0.1V	0.1mV - 1000V	0.1mV - 1000V	.1µA-10A	.1µA-10A	0.01 - 40M	.001nF - 10,000µF		.0001Hz - 40MHz	-45 to 750	-50 to 1382	✔	✔	✔		✔	✔		✔	7.3 x 3.3 x 2.3	2112532	249.99	239.95
185535	Fluke 179†	DMM	13	6000	100µV	600mV - 1000V	600mV - 1000V	60mA - 10A	60mA - 10A	600Ω - 50MΩ	1000nF - 9999µF		99.99 - 99.99k	-40 to 400	-40 to 752	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	185535	299.95	—
374070	Extech MA220	Clamp	10	4000	100µV	400mV - 600V	400mV - 600V	40A - 400A	40A - 400A	400Ω - 40MΩ	40nF - 100mF		5 - 150k	-50 to 1000	-58 to 1830	✔		✔		✔				7.9 x 2.0 x 1.4	374070	109.99	104.95
1585881	Extech EX830§	Clamp	11	4000	100µV	0.1mV - 600V	0.1mV - 600V	100mA - 1000A	100mA - 1000A	.01Ω - 40MΩ	0.001nF - 40000µF		0.001 - 4k	-50 to 270	-58 to 518	✔		✔		✔			✔	8.5 x 4.3 x 2.0	1585881	219.99	209.95

* With non-contact voltage detector (100-600VAC range)   # Kit with accessories included   † With backlight   § Soft case included

EXTECH EX530	DM110 Pocket Sized	MASTECH MY64	DVM890F	EXTECH MN26T Pocket Sized	BenchPro BP-1949	BenchPro BP-1737	FLUKE 179	FLUKE 87-5	MASTECH MY68	FLUKE 175	EXTECH EX570	FLUKE 179	EXTECH MA220	EXTECH EX830
P/N 1939651	P/N 692502	P/N 220775	P/N 645571	P/N 211650	P/N 117373	P/N 137462	P/N 2173642	P/N 2173634	P/N 220767	P/N 192655	P/N 2112532	P/N 185535	P/N 374070	P/N 1585881
$219.99	$39.99	$39.95	$39.95	$44.99	$79.95	$99.95	$349.95	$474.95	$44.95	$249.95	$249.99	$299.95	$109.99	$219.99

♺ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

★ For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

3 LEVELS OF SAVINGS — NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Digital Capacitance Meter

velleman

• 9 ranges from 0.1pF to 20mF
• 3½-digit LCD display   • Manual ranging
Includes: User's manual, test leads, holster, battery

NEW MARKED IN PINK

Part No.	Mfr. Part No.	Description	1	5
2175445	DVM6013	3½-digit capacitance meter	$69.95	$66.49

★ Digital Panel Meters — Enter Web Code WBU

Multi-Function Programmable Graphic Displays

LASCAR electronics

3½-digit, bargraph & analog style meter

Customize your 2.4", 2.8" or 3.5" PanelPilot graphic displays in seconds with the simple click of a mouse.

• Operating voltage: 4-30VDC
• Adjustable 0 to 40VDC input
• Screw terminal connections   • Programmable via USB interface
• Free Windows-based configuration software

Part No.	Mfr. Part No.	Description	1	5
2115354	SGD24-M℞	2.4", 3½-digit display	$94.95	$86.95
2125149	SGD28-M℞	2.8", 3½-digit display	89.95	84.95
2137924	SGD35-M℞	3.5", 3½-digit display	129.95	119.95

★ 7, 14 & 16-Segment Displays — Enter Web Code PBW

3-Wire/GFCI Outlet Socket Tester

With its easy to read LED indicators, diagnosing incorrectly wired sockets is quick and simple.

NEW MARKED IN PINK

• 110-125VAC voltage range   • Overload voltage: CAT II 125V
• Altitude: 6500 feet (2000 meters); indoor use only

Part No.	Mfr. Part No.	Dimensions (in.)	1	5
2206045	DET300℞	3.15 x 1.65 x 1.26	$14.95	$12.95

2095040
2095082
2095074
2113201
2116584

LCD Digital Panel Meters

JAMECO ValuePro

NEW MARKED IN PINK

• Input ranges: 200mV, 20V, 200V, 500V
• Input impedance: >100MΩ   • Size: 2.7"W x 1.7"H
• Accuracy: ±0.5%   • Size P/N 2152323 1.8"L x 1.0"H x .6"D
• Supply volt.: 8-12VDC (recommend 9V battery P/N 151095, pg 117)   • Automatic polarity indication
• 1% resistors available (recommend P/N 2076121, see web)

2131135

★ Web Code: WBU

Part No.	Product No.	Description	1	10	25
2131135	PMLCDL℞*	3½-digit	$7.95	$7.49	$6.95
2190750	DFR0130-R	3-digit red LED (4.5V-30V)	9.95	8.95	8.45
2152323	DFR0130-B℞*	3-digit LED (4.5V-30V w/ 1% accuracy)	9.95	8.95	7.95
108388	PM-428†	3½-digit (no bezel, snap mount)	9.95	8.95	7.95
175951	PM-128†	3½-digit (bezel, screw mount)	12.95	11.65	10.49
146835	PM-188BL†	3½-digit (with backlight display)	14.95	13.45	11.95
2076121	PM/RES℞	Resistor set for P/N 2131135	1.95	1.75	1.49

Cannot use in common ground app.   † Only the PM ports   *Mfr.: 2131135: Velleman; 2152323: DFRobot

Analog Panel Meters

velleman   **JAMECO ValuePro**

• Includes mounting hardware   • 316507: Includes current shunt

Part No.	Product No.	Range	Size (W" x H" x D")	1	10
316603	AVM6015℞	0 – 15VDC	2.4 x 1.8 x 1.3 ...	$9.95	$8.95
2162863	820225	0 – 15VDC	2.4 x 2.4 x 1.4	6.95	6.25
316671	AVM7015	0 – 15VDC	2.8 x 2.4 x 1.4	9.95	8.95
316638	AVM6030	0 – 30VDC	2.4 x 1.8 x 1.3	9.95	8.95
316654	AVM7030	0 – 30VDC	2.8 x 2.4 x 1.4	9.95	8.95
315301	AIM60005	0 – 50µA	2.4 x 1.8 x 1.3	9.95	8.95
316523	AIM6050	0 – 50mA	2.4 x 1.8 x 1.3	8.95	7.95
316486	AIM60100	0 – 100mA	2.4 x 1.8 x 1.3	9.95	8.95
316558	AIM60500	0 – 500mA	2.4 x 1.8 x 1.3	9.95	8.95
316566	AIM60500	0 – 5A	2.4 x 1.8 x 1.3	9.95	8.95
316582	AIM705000	0 – 5A	2.8 x 2.4 x 1.4	9.95	8.95
316494	AIM6010A	0 – 10A	2.4 x 1.8 x 1.3 ...	9.95	8.95
316507	AIM6030A	0 – 30A	2.4 x 1.8 x 1.3 ...	12.95	11.65

★ Web Code: YBQ

316603
316523

Drill Mountable Panel Meters

LASCAR electronics

★ Web Code: WBU

• Mount by simply drilling a single hole (7/32") and insert the threaded section of the panel meter
• Module size: 1.71"L x 0.84"W

Part No.	Mfr. Part No.	Description	Digit Ht.	Supply Volt.	Measurement Range	1	5	25
2113201	EMV-1125℞	3½-digit, LCD volt/current meter	.50"	7.5-15VDC	200mV-20V/200µA-200mA	$32.95	$29.95	$27.95
2095040	EMV 1200	3-digit, signal pwrd, LCD voltmeter	.50"	3-50VDC	4-25VDC	29.95	28.49	26.95
2095074	EMC 1500	5-digit, LCD hour meter	.35"	5-27VDC	99999 hours	29.95	28.49	26.95
2095082	EMA 1710	Analog-style LCD panel meter	—	5-12VDC	0-1VDC	24.95	22.95	19.95
2116584	V1℞	3½-digit, LCD voltmeter	.25"	7-12VDC	200mV-20V	16.95	15.95	14.95

SMD Tweezer Meter

One hand operation for fast, precise identification and measure of surface mount components.

• 3000 count LCD display
• Over range & low battery indicators
• Measures resisistance, capacitance and diode test
• **Capacitance ranges:** 3nF to 30mF
• **Resistance ranges:** 300Ω to 30MΩ

NEW MARKED IN PINK

Includes: 3V CR2032 battery, hard case, extra pair of test needles, user's manual

Part No.	Mfr. Part No.	1	5
2206037	DDM30℞	$44.95	$39.95

50mV/50A Current Shunt

JAMECO ValuePro

• Current range: 0 to 50A
• Accuracy: 0.8% ±0.2mV
• Output ratio: 1mV/1A   • Max. current: 100A

Part No.	Cross Ref. No.	1	5	25
162309	ST-50	$34.95	$29.95	$26.95

Passive-Component Digital LCR Meter

EXTECH INSTRUMENTS

• 4½-digit backlit LCD display
• Test frequencies of 120Hz and 1kHz
• Selectable parallel or series equivalent circuit
• **Res. ranges:** 20Ω to 10MΩ
• **Cap. ranges:** 2000pF to 10mF
• **Inductance ranges:** 2000µH to 10,000H
• Quality (Q) reading: 0 to 9999
• Set HI/LO limits, absolute or percentage
• Bidirectional RS-232 port with optional software
• Max./Min./Avg. recording with auto power off
• Accuracy of 0.7% for L & C, 0.5% for R
• Dissipation factor (D) reading: 0 to 0.9999
• Measures L, C & R w/ secondary parameter Q, D or R; both are displayed
• Size: 3.6"W x 2.1"D x 7.6"H   • Weight: 0.8 lbs.

Includes: Test leads, alligator clips, 9V battery & holster

Part No.	Description	1	5
198678	LCR Meter	$209.99	$199.95
189238	9VDC adapter for P/N 198678℞ ..	6.95	5.95

Kill A Watt™ Energy Consumption Meters

These meters let you measure exactly how much energy an appliance consumes in your home. This allows you to calculate your costs, check the quality of your power, and make your home more efficient.

• Maximum power: 1875VA
• Maximum voltage: 125VAC
• Maximum current: 15A
• Displays volts, amps, watts, Hz, VA, kWH

2193432:
• Programmable on/off function for saving energy
• Combination multi-event 7 day/24 hour timer and electric consumption meter

2075946

SAVE ENERGY!

Part No.	Mfr. Part No.	Size (H x W x D)	1	5
2075946	P4400℞	5.1" x 2.4" x 1.6" ..	$29.95	$26.95
2193432	P4482	5.4" x 2.8" x 2.8"	59.95	54.95

★ Environmental Meters— Enter Web Code EMT

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Test/Tools

Environmental Meters & Testers

FLUKE   EXTECH INSTRUMENTS   JAMECO BenchPro   **★ Web Code: EMT**

When you're out in the field, there are plenty of places where measurements need to be taken, but the challenge lies in physically getting to the area to take the measurement. This line of environmental meters and testers can make testing much simpler, like our infrared thermometers that can take temperatures from further distances without having to make contact. These products measure everything from air velocity to temperature, speed, light and electromagnetic fields. If there's a measurement to be taken, these tools can do the job.

219361	2112541	2173651	214480	2137043	1939634	218085

131764	1939642	645642	198002	145710	2130749	14285

Part No.	Manufacturer	Product No.	Description	1	5
219361	Extech	IR-201	Thermometer, Pocket IR w/ Laser Pointer, measures temp. (-58° to 518°F) F of V 6:1	$59.99	$54.95
2112541	Extech	42510A	Thermometer, wide range mini IR, 12:1 compact thermometer w/ laser pointer (-58 to -1200°F/-50 to -650°C) 12:1 Compact IR	99.99	94.95
2173651	Fluke	FLUKE-62 MAX	Thermometer, infrared handheld, measures temp. (-22° to +932°F), IP54 rated, laser pointer, distance to spot size ratio 10:1	99.95	—
214480	Fluke	FLUKE-52-2	Thermometer, measures temp. large backlit dual display, dust splash resistant (-328° to 2501°F)	324.95	—
2137043	Velleman	PMTEMP1	Thermometer, digital panel mount with 3 1/2 digit LCD, measures temp. (-58° to +158°F), sensor cable length: 10 feet	12.75	12.25
1939634	Extech	445713	Thermometer, Digital Hygro/Humidity Meter w/ Indoor & Outdoor Readings & Remote Sensor on 35" cable, temp. (14° to 140°F) & RH (10-99%)	45.99	39.95
218085	Extech	45118	Thermo-Anemometer, Mini, measures temp. (0° to 122°F) & air velocity (1.1 to 62.5mph)	114.99	109.95
131764	BenchPro	LX-102	Light Meter, Digital, ranges: LUX 0 to 50,000, footcandle 0 to 5,000	109.95	89.95
1939642	Extech	480836	RF EMF Strength Meter, measures frequency (50MHz to 3.5GHz)	259.99	244.95
645642	Extech	407730	Sound Level Meter, Digital, decibel range (40dB to 130dB)	89.99	85.95
198002	Extech	40180	Tone Generator & Amplifier Probe, tests: wire trace, continuity, clear/busy/ringing line, & tip/ring ID	89.99	84.95
145710	BenchPro	256551	Modular Cable Tester, tests 10Base-T, 10Base-2, RJ45/RJ11, 258A, TIA568A/568B, & Token Ring cables, Tests for: continuity, miswiring, open circuits, shorts, grounding & pin configurations, includes 4 adapters and 9V battery	59.95	53.95
2130749	Velleman	VTLAN4	LAN tester, tests RJ-45, 10 Base-T, Token Ring, RJ11/12 cables, network, telephone, and most types of computer cables	14.95	13.49
14285	BenchPro	RS232	RS232 Line Tester, identifies simple interface problems on lines 2-6, 8, 11, 19, 20	9.95	8.95

---

velleman 3-in-1 Lab Center

Digital Multimeter:
- 3-1/2 backlit LCD
- Automatic polarity indication
- **DC voltage ranges:** 200mV to 600V
- **AC voltage ranges:** 200V to 600V
- **DC current ranges:** 200μA to 10A
- **Resistance ranges:** 200Ω to 2MΩ
- Diode, transistor and continuity tester

Regulated Power Supply:
- Selectable output volts: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- Output current: 1.5A (2A peak) • On/off switch

Soldering Station:
- 48W ceramic heating element with temp. sensor
- 24V soldering iron
- Temperature range: 150° to 450°C

Includes: Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

Part No.	Mfr. Part No.	1	5
695025	LAB1	$144.95	$139.95

velleman 3-in-1 Lab Center

Oscilloscope:
- 10MHz bandwidth
- Real-time sampling rate up to 40MS/s
- Readouts: DC, DC+AC, True RMS, dBm, Vpp, Min-Max. • White LED backlight

Function Generator:
- DDS type generator • DAC resolution: 10 bits
- Frequency range: 1Hz to 1MHz
- Waveforms: sine, square, triangle
- Sweep function with bi-directional option

Power Supply:
- Fixed output voltages: 3V, 5V, 6V, 9V, 12V (±5%)
- Peak output current: 1A
- LED output overload indicator

Includes: Scope probe, RCA adaptor, user's manual and AC cord

Part No.	Mfr. Part No.	1	5
2120840	LAB2U℞	$229.95	$209.95

Uni 4-in-1 Lab Center

This kit combines 4 different functions in one instrument for easy and compact measurement and testing.

DDS Function Generator: • Freq. range: 0.1Hz~10MHz
- Wave outputs: Sine, Square, Triangle, Pulse, TTL output

Frequency Counter: • Channel A: 1Hz~110MHz
- Channel B: 100MHz~2.7GHz

DC Power Supply • Adjust. volt. output: 0~30V / 0~3A
- 3 fixed voltage outputs: ±15V/1A, +5V/2A

Digital Multimeter: • 50 measurement functions
- Max. AC/DC volt.: 1000VDC/750VAC
- Max. DC/AC curr.: 20A • Resis. range: 0.1Ω~80MΩ
- Capacitor range: 1pF~100μF
- Temp. range: -50°C~1372°C (-58°F ~ 2502°F)
- RS-232 interface for possible PC communication

Includes: Power cord, test leads, fuses, temperature probe, RS-232 cable for DMM, user's manual
- Size: 15.0"W x 12.5"D x 6.6"H • Weight: 30.2 lbs.

Part No.	Mfr. Part No.	1	5
2135814	US-9170A	$899.95	$849.95

TEST LEADS AND CABLES

For Test Leads and Cables: BNC to BNC, BNC to Mini Clip, BNC to Mini Grabber, Probe to Banana Plug, Aligator to Banana Plug. See page 127 for complete selection.

★

3 LEVELS OF SAVINGS
| NAME BRANDS | HOUSE BRANDS | SPECIAL BUY |

Test/Tools

Function Generators, Oscilloscopes & Probe Sets

Function Generators

SKMI velleman INSTEK BK PRECISION

NEW MARKED IN PINK

★ Web Code: DEJ

2175832 229251 685329 2112831 160469

Part No.	Manufacturer	Mfr. Part No.	Features	Bandwidth	# of Waveform Types	Size (in.)	Wt. (lbs.)	Includes*	Price
2175832	Velleman	HPG1	Pocket-sized, white LED backlight, DDS, DAC resolution: 10 bits	1MHz	3	2.9 x 4.5 x 1.14	0.81	1, 2, 3	$139.95
229251	Instek	GFG-8020H	Built-in 4-digit counter with CMOS output	2MHz	5	9.1 x 3.7 x 11.0	4.6	1, 2, 3	214.95
2160411	Instek	SFG-1003ℛ	DDS with FPGA design & 6-digit LED display	3MHz	4	9.9 x 3.6 x 11.5	4.6	1, 2, 3	174.95
685329	SKMI	SK-3000	Rotary switch w/ positive/negative pulses	3MHz	6	10.5 x 3.9 x 11.2	6.6	1, 3	209.95
229260	Instek	GFG-8216A	Built-in 6-digit counter with INT/EXT function	3MHz	6	9.9 x 3.6 x 11.5	4.6	1, 2, 3	244.95
2112831	SKMI	SK5200	Rotary switch control w/ built-in 60MHz counter	5MHz	6	11.8 x 3.5 x 10.8	5.5	1, 3	279.95
160469	B&K Precision	BK/4011A	4-digit digital LED display, coarse/fine tuning, variable duty cycle	5MHz	4	10.4 x 11.7 x 3.4	7.8	1, 2, 3	354.95

*1. Power cord 2. BNC cable 3. User's manual

Oscilloscopes

PARALLAX OSCIUM velleman RT gabotronics SKMI FLUKE Uw

NEW MARKED IN PINK

★ Web Code: RCG

2205907 2205931 2136518 2160534 2127339 2137422 2128294 1536886 695017 2143401

Part No.	Manufacturer	Mfr. Part No.	Bandwidth	Features	Size (in.)	Wt. (lbs.)	Includes	Price
2205940	Gabotronics	GT-0007ℛ	200kHz	Mixed signal, 2MSa/s, PDI interface, board and headers	1.98 x 1.01	0.017	Two 10-pin headers	$22.95
2205907	Gabotronics	GT-0010ℛ	200kHz	Mixed signal plug-in DIP package, 2MSa/s, 0.96" OLED	1.615 x 1.01	0.024	Two 10-pin headers	54.95
2205915	Gabotronics	GT-0005ℛ	200kHz	Mixed signal plug-in DIP package, 2MSa/s, 2.42" OLED	3.3 x 1.75	0.065	Two 10-pin headers	74.95
2205923	Gabotronics	GT-0012ℛ	200kHz	Mixed signal handheld, 2MSa/s, 1.3" OLED, 600mAh Li-Ion	3.13 x 1.83 x 0.7	0.37	Header, USB cable, 2 test clip leads	104.95
2205931	Gabotronics	GT-0015ℛ	200kHz	Mixed signal handheld, 2MSa/s, 2.42" OLED, 750mAh Li-Ion	3.17 x 2.22 x 0.7	0.40	Header, USB cable, 2 test clip leads	129.95
2136518	Parallax	32220ℛ	—	Propscope, 2-channels, 25MSa/s, built-in expansion port, software for multiple test equipment	4.7 x 2.7 x 1.1	1.0	2 probes (x1/x10), USB cable, DAC expansion card	199.95
2160534	Oscium	IMSO-104	5MHz	Mixed signal scope for iPad, iPhone, and iTouch; 12MSa/s, 1 analog channel, 4 digital channels	1.6 x 2.2 x 0.4	0.39	Test probe (x1/x10), harness (4 digital +1 ground), SMD grabbers	299.95
2196051	Oscium	IMSO-204	5MHz	Mixed signal scope for iPad, iPhone; 50MSa/s, 2 analog/4 digitals channels	1.6 x 2.2 x 0.4	0.48	2 test probes (1x/10x), harness, SMD grabbers, screwdriver	399.95
2127339	Velleman	HPS140Iℛ	10MHz	Handheld pocket size, 40MSa/s, hold/store function, autorange, 6 hours on single charge	2.9 x 4.5 x 1.1	0.91	NiMH rechargeable battery pack, test probe (x10), USB charger	189.95
2187454	Velleman	PCSU200ℛ	12MHz	USB PC-Based scope, function generator, transient recorder, bode plotter, and spectrum analyzer	3.9 x 3.9 x 1.4	0.54	USB cable, user's manual	149.95
2137422	Velleman	PCSGU250ℛ	12MHz	All-in-One PC lab with o-scope, spectrum analyzer, recorder, function generator, bode plotter	2.2 x 8.2 x 7	2.1	Scope probe, BNC-to-RCA adaptor, USB cable, CD software, manual	249.95
160661	Fluke	FLUKE-123/003	20MHz	Industrial scopemeter, 2-channel, RS-232, saves 10 waveform screens, TrendPlot recorder	4.5 x 9.1 x 2.0	5.5	NiCd battery pack, charger, leads, clips, user's manual	1,499.95
2128294	Velleman	HPS50ℛ	40MHz	Handheld, 40MSa/s, adjustable trigger, USB output, auto setup, high resolution: 192x112	4.3 x 6.9 x 1.6	2.8	Li-Ion battery, charger, 1 test probe (x1/x10), USB cable	374.95
1536886	SKMI	SK0404	40MHz	2-Channel scope with built-in 5MHz function generator, 6" CRT display, 20Vp-p output	15.7 x 5.2 x 12.8	23.8	2 test probes (x1/x10), BNC cable, AC cord, spare fuse	549.95
1586200	Arctic	SK0409	40MHz	2-Channel scope with built-in 5MHz function generator and frequency counter	15.7 x 5.2 x 12.8	23.8	2 test probes (x1/x10), BNC cable, AC cord, spare fuse	699.95
695017	Velleman	PCSU1000	50MHz	2-Channel USB PC scope, auto setup, with spectrum analyzer/transient recorder test functions	2.2 x 8.2 x 7	2.9	Two 60MHz scope probes, USB cable, user's manual, CD software	449.95
2171655	Uniteq	DS-1065	60MHz	2-Channel, 500MSa/s, built-in delay sweep function, 320x240 pixel high-resolution 5.7" display, USB storage	11.8 x 5.9 x 5.1	8.0	2 probes, DB9 cable, USB cable, power cord, user's manual, CD software	599.95
2143401	Instek	GDS-1152A-U	150MHz	2-Channel, 1GSa/s, 2Mpoint record length	12.2 x 5.6 x 5.5	7.9	Test probe, AC cord, user's manual	934.95

Oscilloscope Probe Sets

JAMECO BenchPro Pomona velleman EZ DIGITAL

• Input resistance at x10 ratio: 10MΩ
• Accessories may include: tips, ground lead, hooks, protection caps, trimmer screwdriver

★ Web Code: RAC

2145342 22892 2189880 156451 236777

Part No.	Manufacturer	Mfr. Part No.	Bandwidth	Attenuation Ratio	Description	Length (ft.)	1	5
2130781	Velleman	PROBE60S	60MHz	1:1 or 10:1	IEC-1010 CAT II, 600V max	4	$13.95	$12.49
2145342	EZ Digital	T5060	60MHz	1:1 or 10:1	300VDC max.	4	19.95	17.95
22892	BenchPro	LF101Eℛ	60MHz	1:1 or 10:1	600VDC max.	5	24.95	22.49
2189880	BenchPro	P6100*	100MHz	1:1 or 10:1	600VDC max.	4	19.95	17.95
2130618	Velleman	PROBE100	100MHz	1:1 or 10:1	IEC-1010 CAT II, 600V max	4	20.95	18.95
156451	Pomona	4550B	100MHz	1:1 or 10:1	IEC-1010-2-031 CAT I, 300V max	4	64.95	59.95
2130482	Velleman	PROBE250	250MHz	1:1 or 10:1	IEC-1010 CAT II, 600V max	4	34.95	32.95
236777	BenchPro	HP-9250	250MHz	1:1 or 10:1	600VDC max.	5	39.95	35.95

*2 probes included

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Test/Tools

80,000-Count Benchtop Digital Multimeter

This benchtop multimeter not only provides voltage and current measurements, but also basic resistance, frequency, continuity and diode test functions.

- Large dual-display LCD with analog bar graph
- 50 measurement functions including capacitance, frequency, temperature
- 18 types of frequency up to 80MHz, with 0.1%-99% duty cycle
- Simultaneous measurement: (AC+DC, AC+Hz, DC+dBm, °C+°F, etc.)
- Auto data update and refresh, auto data hold, auto peak hold   • RS-232 interface
- 36-hour dynamic record: MAG, MIN, AVG, MAX-MIN, setting upper & lower limit, timing measurement
- Frequency requirement: 110/220VAC @ 50/60Hz
- Input: 115VAC or 230VAC @ 48-60Hz
- Size: 10.2"W x 8.7"D x 3.2"H

Includes: Test leads, thermocouple and user's manual

Part No.	Mfr. Part No.	Wt. (lbs.)	Price
2145748	DM-1150B	3.1	$349.95

★ *Digital Multimeters — Enter Web Code HBK*

2.4GHz 2-Channel Frequency Counter

- 8-digit green LED display with annunciators
- Adjustable range and gate time
- Frequency ranges: 0.01Hz to 2.4GHz
- Gate time: 100 msec. to 10 sec.
- Channel A: DC coupled – 0.01Hz to 100Hz; AC coupled – 100Hz to 50MHz, sensitivity – 80mVrms, 1MΩ impedance
- Channel B: frequency range: 50MHz to 2.4GHz, sensitivity – 50mVrms, 50Ω impedance
- Power supply: 120 to 220VAC
- Size: 10.6"W x 8.5"D x 3.9"H   • Weight: 3.5 lbs.

Part No.	Mfr. Part No.	1	5
1955968	DVM13MFC2U	$149.95	$134.95

1.5GHz 3-Channel Universal Counter

- 0.1Hz to 100MHz in A, B input
- 80MHz to 1.5GHz in C input
- RS-232C serial interface
- 9-digit LED display
- 10:1 input attenuation
- Slope mode selectable
- Period and total measurement
- Time interval and ratio measurement
- Trigger level adjustment
- Size: 9.4"W x 10.6"D x 3.5"H   • Weight: 6.2 lbs.

Includes: Power cord, BNC cable, fuse and user's manual

Part No.	Mfr. Part No.	Price
2145713	FC-8150U	$349.95

★ *Frequency Counters — Enter Web Code VCG*

EZ DIGITAL — 20MHz & 30MHz 2-Ch Oscilliscopes

- 6" rectangular CRT with internal graticule
- High sensitivity X-Y mode
- Sensitivity: 1mV/div
- Sweep magnification (x10)
- 400V maximum input voltage

Includes: User's manual, 2 spare fuses, power cord

Part No.	Mfr. Part No.	Bandwidth	Price
2145220	OS-5020	20MHz	$395.95
2145238	OS-5030	30MHz	495.95

JAMECO BenchPro — 17MHz Logic Probe

- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Pulse flash time: 500ms
- Audible tones for high & low
- Input impedance: 1MΩ
- Power supply protection: ±20V
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC
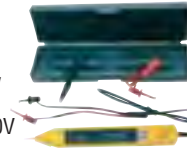
Part No.	Cross Ref. No.	1	5	25
149930	LP3500	$39.95	$35.95	$32.95

DigiView — DV3100 Digital Logic Analyzer

From a new aluminum case to advanced triggering, adjustable threshold, more memory and a wider voltage range, the new DV3100 is the best value in aportable logic analyzer.

- 18 channels @ 100MHz (10ns)
- Automatic real time hardware compression (Tri-mode)
- Eliminates res. vs. depth tradeoffs
- +0.5 to +2.8V adjust. threshold
- Ground current protection ±12V
- USB 2.0 & 1.1 compatible

Includes: All cables, clips (quantity 20) and software

Part No.	Mfr. Part No.	1	5
2115776	DV3100	$474.95	$424.95

Saleae — 8 & 16-Ch Logic Analyzers

Monitoring signals has never been easier with these 8 and 16-channel logic analyzers that are able to save as many as 10 billion samples! Features a small design, an average input voltage of 3.5V, USB 2.0 connection, as well as over-voltage and ESD protection.

2143427

- Compatible with Windows®, Linux, Mac OS
- Sample rate:
  2143427: 24MHz each channel
  2143451: 100MHz (2-ch), 50MHz (4-ch), 25MHz (8-ch), 12.5MHz (16-ch)

Includes: Logic analyzer, flexible test lead set, micro-hook clips, USB cable and custom carrying case

Part No.	Description	Size (L" x W" x H")	1	5
2143427	8-channel	1.7 x 1.7 x 0.36 ..	$149.95	$139.95
2143451	16-channel	3.1 x 3.1 x 0.39	299.95	284.95

EXTECH INSTRUMENTS — 80-Watt Switching Mode DC Power Supply

3 in 1

- Input voltage: 90-264VAC @ 47-63Hz
- Constant voltage and current
- Basic accuracy: ±1%
- Ripple and noise: <30mVp-p
- Line regulation: <4mV
- Load regulation: <20mV
- Remote sensing for accurate applied voltage at load point
- 3 ranges: 0 – 16.4V @ 0-5.1A; 0 – 27.6V @ 0 – 3.1A; 0 – 36.8V @ 0 – 2.3A
- Front and rear output terminals
- Size: 5.0"W x 2.1"D x 13.0"H   • Weight: 4.2 lbs.

Part No.	Mfr. Part No.	1	5
1939600	382260	$269.99	$254.95

Triple Output Benchtop Power Supplies

Channel 1: 0-30V @ 3A (2145772: 5A)
Channel 2: 0-30V @ 3A (2145772: 5A)
Channel 3: 2.5/3.3/5V selectable @ 3A

- Two independent adjustable outputs; One fixed output
- USB interface
- Min. resolution: 100mV/10mA
- 4 sets of panel settings save and recall
- Panel lock function, output standby function
- Preset voltage, current and password
- Constant voltage, constant current, low ripple and noise, low temperature drift
- Tracking parallel and tracking serial to be set inside the instrument
- Protection: Over-voltage, over-current, overload, over-temperature, short-circuit, current limiting, reverse-polarity   • Size: 11.8"W x 8.66"D x 5.83"H

Part No.	Mfr. Part No.	Wt. (lbs.)	Price
2145781	PS-3303U	19.4	$449.95
2145772	PS-3305U	20.4	499.95

MW — 108W Desktop Power Supply

- Load regulation: ±2%   • Line regulation: ±5%
- Input voltage: 88 132VAC/176-264VAC @ 47-63Hz (switch selectable)
- Efficiency (typical): 81%
- Ripple & noise max.: 120mVp-p
- Front panel on/off switch and 3 color LED loading indicator
- Voltage adjustment range: 12-15VDC
- Short-circuit/overload/ overvoltage/ overtemperature protection
- Back panel 3-prong AC receptacle and banana plugs
- Size: 5.9"W x 5.5"D x 3.3"H   • Weight: 3.3 lbs.

Part No.	Mfr. Part No.	1	10
673230	ESP-120-13.5	$44.95	$39.95

PC-Base Oscilloscope, Logic Analyzer and Pattern Generator

- 100MHz spectrum analyzer/FTF
- 200 MSa/s logic analyzer
- 100 Mpt/s pattern generator
- 60MHz bandwidth
- 2 GSa/s oscilliscope
- 8 logic analyzer inputs & 1 pattern generator

Link Instruments

NEW MARKED IN PINK

Part No.	Mfr. Part No.	1	5
2207241	MSO-19	$249.95	$234.95

Test/Tools

3 LEVELS OF SAVINGS
NAME BRANDS   HOUSE BRANDS   SPECIAL BUY

Benchtop & Precision Power Supplies

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Single Output Benchtop Power Supplies

★ Web Code: SAX

• Voltage and current adjustable

| 301920 | 175257 | 645600 | 301971 | 207618 | 301911 | 207706 | 175249 |

Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Displays (Digits)	Input Voltage (VAC)	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing 1	Pricing 5
301920	BenchPro	HY1503C	15/3	45	2-Analog	115 ±10%	Y	N	3.8 x 6.3 x 9.1	9	$99.95	$89.95
2130378	Velleman	PS1503SBU	15/3	45	2-Digital LCD (3.5)	220 @ 50Hz	Y	N	8.4 x 6.0 x 3.8	6.7	99.95	94.95
175265	BenchPro	DPS150A	15/10	150	2-Analog	110 @ 60Hz	Y	Y	6.2 x 4.0 x 5.7	12	124.95	119.95
175257	BenchPro	SPS250A	15/15	225	2-Analog	110/220 @ 47-63Hz	Y	Y	6.2 x 4.0 x 5.6	3.8	159.95	144.95
681221	Extech	382202	18/3	54	2-Digital LCD (4)	120 @ 60 Hz	Y	Y	9.4 x 6.1 x 4.3	6.6	139.99	132.95
645600	Extech	382200	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	9.4 x 6.1 x 4.3	4.4	129.99	122.95
301971	Lascar	PSU130	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	5.5 x 1.6 x 5.2	1.2	89.95	84.95
301866	BenchPro	HY3003D	30/3	90	2-Digital LCD (4)	115 ±10%	Y	N	5.4 x 6.2 x 11.5	10	159.95	144.95
207618	Mastech	HY3005C	30/5	150	2-Analog	115 ±10%	Y	N	5.4 x 6.2 x 11.5	14	159.95	135.95
301911	BenchPro	HY3005D	30/5	150	2-Digital LCD (4)	115/230 ±10% (switchable)	Y	N	5.4 x 6.2 x 11.5	13	199.95	179.95
207635	Mastech	HY3010ℛ	30/10	300	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	10.4 x 6.5 x 14.4	31	299.95	269.95
207694	BenchPro	HY5002ℛ	50/2	100	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	5.4 x 6.2 x 11.5	13	169.95	149.95
163723	BenchPro	DPS-3050	50/3	150	2-Analog	110 @ 60Hz	Y	Y	4.8 x 7.5 x 9.0	12.3	134.95	119.95
207706	BenchPro	HY5003	50/3	150	2-Digital LED (4)	115 ±10%	Y	N	5.4 x 6.2 x 11.5	13	209.95	189.95
301938	BenchPro	HY3005	30/5	195	2-Digital LED	115/230 ±10%	Y	N	11.5 x 5.25 x 6.25	10	174.95	159.95
207600	Mastech	HY5005	50/5	250	2-Digital LED (4)	115/230 ±10% (switchable)	Y	N	10.4 x 6.5 x 14.4	17	229.95	209.95
175249	BenchPro	DPS5050	50/5	250	2-Analog	110 @ 50-60Hz	Y	Y	7.7 x 6.7 x 4.9	13.8	179.95	159.95

Multiple Output Benchtop Power Supplies

These benchtop power supplies are a must for every laboratory. They sit out of the way of your workspace and stay ready to supply power at all times. Single and multiple outputs are available for your specific laboratory needs. Standard banana input plugs provide easy connections and precision adjustment knobs provide exact power outputs for all your projects. For more information, visit www.Jameco.com.

Perfect for Laboratory Use

★ Web Code: SAX

• Voltage and current adjustable

| 211693 | 301962 | 301947 | 197991 | 197982 | 1939618 |

Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Input Voltage	Displays (Digits)	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing 1	Pricing 5
2187577	Velleman	PS23003AUℛ	0-15/3; 15-30/3	135	220 @50Hz	2-Analog	Y	N	7.9 x 6.0 x 13.0	21.6	$169.95	$159.95
211722	BenchPro	HY3002-2ℛ	0-30/2; 0-30/2	120	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	23	199.95	189.95
211705	BenchPro	HY3002D-2	0-30/2; 0-30/2	120	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	23	224.95	199.95
211693	BenchPro	HY3003D-2ℛ	0-30/3; 0-30/3	180	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	28	219.95	199.95
211731	Mastech	HY3003-2ℛ	0-30/3; 0-30/3	180	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	28	219.95	199.95
301962	Mastech	HY5003-2	0-50/3; 0-50/3	300	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	26	279.95	249.95
301947	Mastech	HY3005D-2ℛ	0-30/5; 0-30/5	300	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	26.5	309.95	279.95
211713	Mastech	HY3003-3	0-30/3; 0-30/3; 5/3	195	115/230 ±10%	2-Digital LED (3.5)	Y	N	10.4 x 6.5 x 14.4	29	249.95	224.95
211684	BenchPro	HY3003D-3	0-30/3; 0-30/3; 5/3	195	115 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	29	299.95	269.95
2145828	Unitech	PS-2303	0-30/3; 0-30/3; 5/3	195	110-120 @ 50-60Hz	4-Digital LED (3.5)	Y	Y	9.6 x 5.5 x 13.6	17.6	324.95	299.95
301955	Mastech	HY3005D-3ℛ	0-30/5; 0-30/5; 5/3	195	115/230 ±10%	4-Digital LCD (3.5)	Y	N	10.4 x 6.5 x 14.4	29	349.95	314.95
2145801	Uniteq	PS-3303	0-30/3; 0-30/3; 5/3	195	110/220 @ 50/60Hz	4-Digital LED (3)	Y	Y	11.8 x 8.7 x 5.8	11.1	349.95	—
197991	Extech	382213	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60Hz	2-Digital LCD (3)	Y	Y	6 x 5.6 x 9.5	11	199.99	189.95
197982	Extech	382203	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60Hz	2-Analog	Y	Y	6 x 5.6 x 9.5	11	169.99	159.95
1939618	Extech	382270	0-30/5; 0-30/5; 3-6/3; 8-15/1	334.5	110-127/220-240 ±10% *	4-Digital LED (4)	Y	Y	10.2 x 6.3 x 14.5	26.5	459.99	434.95

* Selectable

13.8VDC Precision Regulated Power Supplies

• Heavy duty 5'8" 3-prong power cord
• Short-circuit protected
• Output mating terminals: see pg 128 for banana terminal plugs
• Illuminated rocker switch
• Fuse protected

★ Web Code: YEH

| 138668 | 138676 |
| Banana terminal (rear) | Banana terminal |

Part No.	Manufacturer	Cross Ref. No.	Power (W)	Output Volts @ Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	5	25
138668	BenchPro	38-381ℛ	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	$64.95	$59.95	$54.95
138676	BenchPro	52-192012ℛ	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	94.95	84.95

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Test/Tools

JAMECO.COM

Test Leads and Cables

Pomona · KEYSTONE · JAMECO BenchPro

★ *Web Code: RAC*

2113877	176971	11384	11422	176954	256832	2113869	2158477	212222

Part No.	Manufacturer	Product No.	Description	Size (L")	1	10	25
159871	Pomona	2249-C-36ℛ	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	36	$16.95	$15.25	$13.75
159880	Pomona	2249-C-60ℛ	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	60	20.95	18.95	17.95
2113877	Pomona	3957	BNC male to Multi-Stacking banana plugs (2nd End)	1.55	15.95	15.25	14.49
176971	Pomona	4532-C-36ℛ	BNC male to Mini alligator clips w/ strain relief, RG58C/U, 50Ω, 20AWG, blk	36	20.95	18.95	17.95
11384	BenchPro	GCA26-Rℛ	BNC male to Alligator clip, RG58/U, black	23	4.49	3.95	2.95
11464	BenchPro	05-A-078-Rℛ	BNC male to Mini-clip test lead, RG174A/U, black	39	4.49	3.95	3.59
11422	BenchPro	05-A-081-Rℛ	BNC male to Micro-clip test lead, RG174A/U, black	39	4.25	3.95	3.59
2097150	Pomona	5187-C-36ℛ	BNC male to MiniGrabber test leads, RG58C/U 50Ω, 20 AWG, black	36	19.95	18.95	17.95
176954	Pomona	5187-K-36ℛ	BNC male to MiniGrabber test leads, RG174/U 50Ω, 26 AWG, black	36	28.95	26.95	24.95
256832	BenchPro	CBB-069ℛ	BNC female to pigtail, 20 AWG, 2 wire, 1 black, 1 red	7	5.49	4.95	4.49
2097555	BenchPro	CBB-070ℛ	BNC male to pigtail, 20 AWG, 2 wire, 1 black, 1 red	9	5.49	4.95	4.49
2113869	Pomona	3788	BNC female Minigrabber test clips (2nd end)	2.56	11.95	10.95	10.49
2158477	BenchPro	FC16Aℛ	Probes w/ right angle banana, screw on alligator clips, 1 black, 1 red	40	8.95	7.95	6.95
212222	Probe Master	8043S	Softie test probe leads, 10-pc. set, interchangeable tips, 18 AWG, 1 blk, 1 red	48	26.95	25.95	24.95
174625	Probe Master	8150	Micro-tip test probe leads rt. angle (w/10 plunger type tips), 1 blk, 1 red	39	36.95	33.95	31.95
168516	BenchPro	GA-5010	Universal test lead kit w/ 12 interchangeable tips, 1 black, 1 red	36	8.95	7.95	6.95
2113904	Pomona	5953A	Adjustable tip test probe set, tip adjusts up to 3", 1 black, 1 red	48	25.95	22.95	21.95
155951	Pomona	5519Aℛ	Banana plug to rt. angle probe, insulated leads, 18 AWG 1 blk, 1 red	48	16.95	15.25	13.75
1814153	Pomona	1166-48-0	Multi-stacking banana plug to alligator clip, black	48	6.25	5.75	5.25
77738	BenchPro	GF19-Rℛ	Protected banana style multimeter test leads, 1 black, 1 red	40	5.95	5.49	4.95
77746	BenchPro	FC-15B-Rℛ	Standard banana style multimeter test probes, 1 black, 1 red	42	7.49	6.75	5.95
10444	BenchPro	GAL01	Alligator clip test leads, 24 AWG (19/36), 10-pc. assorted colors	21	4.95	4.49	3.95
2185483	BenchPro	GAL02ℛ	Alligator clip test leads, 24 AWG, 1 black, 1 red	21	1.95	1.69	1.49
159901	Pomona	B-24-02ℛ	Stackable banana patch cords, 18 AWG, 1 black, 1 red	24	10.75	9.75	9.25
159919	Pomona	B-36-02ℛ	Stackable banana patch cords, 18 AWG, 1 black, 1 red	36	10.75	9.75	9.25
77842	BenchPro	KLN-4-25/H-Rℛ	Stackable banana patch cords, 18 AWG, 2 ea. (blk,red,blue,white,yellow)	9.8	26.95	23.95	20.95
1814137	Pomona	1166-12-0	Alligator clip to stackable banana plug, 18 AWG, black	12	5.95	5.39	4.79
1814145	Pomona	1166-12-2	Alligator clip to stackable banana plug, 18 AWG, red	12	5.75	5.25	4.75
1814161	Pomona	1166-48-2	Alligator clip to stackable banana plug, 18 AWG, red	48	6.25	5.75	5.25
2192456	BenchPro	AC-SB-36ℛ	Alligator clip to stackable banana plug, 20 AWG, 1 black, 1 red	36	7.95	6.95	6.25
2192464	BenchPro	TC-BL-36ℛ	Test clip to Banana plug, 20AWG, 1 black, 1 red	36	7.95	6.95	6.25
107423	BenchPro	GCA340-Rℛ	Double banana plug to alligator clip test leads, 1 black, 1 red	36	3.95	3.59	3.19
21857	BenchPro	05-A-082-Rℛ	Mini-clip to stackable banana test leads, black	39	3.95	3.49	2.95
21865	BenchPro	05-A-079-Rℛ	Mini-clip to stackable banana test leads, red	39	3.95	3.49	2.95
2189601	BenchPro	3782-36-02JVPℛ	Mini-clip to stackable banana test leads, 1 black/ 1 red	39	6.95	6.25	5.59
159899	Pomona	3782-36-02ℛ	Mini-clip w/ stackable banana test leads, 20 AWG, 1 black, 1 red	36	12.95	11.95	11.25
135299	BenchPro	SF-207A-Rℛ	Mini-clip test leads, 26 AWG, 5 sets (blue, black, yellow, red, green)	14	10.95	9.95	8.95
156495	Pomona	5523-Rℛ	MiniGrabber™ test clip patch cord, 20 AWG 10-pc. assorted colors	24	44.95	41.95	39.95
2183998	Gripn-On	67340ℛ	4 slot magnetic test lead/workshop tool holder, steel (red)	5.75	5.95	5.49	4.95
155985	Pomona	2708Bℛ	9 slot test lead holder, accepts RG213 & RG214 wire sizes (blue)	11	13.49	11.95	11.49
155977	Pomona	4408ℛ	10 slot test lead holder, accepts RG59 & RG108 wire sizes (black)	11	10.95	9.95	9.49
155969	Pomona	1508ℛ	14 slot test lead holder, accepts RG58 & RG142 wire sizes (orange)	11	13.49	11.95	11.49

174625	168516
155951	77738
77746	10444
159901	159919
77842	2192456
2192464	107423
2189601	159899
135299	155977

Test Clips, Plugs and Posts

Test Clips, Plugs & Posts continued on next page

★ *Web Code: TLC*

71240	77691	1818787	2127742	2205755	1582170	2168528	256779	125197

Part No.	Manufacturer	Product No.	Description	Size (in.)	1	10	100
71240	BenchPro	GIP-003-Rℛ	Binding post, screw type, chassis mount 1 black, 1 red	1.0 L x .50 Dia.	$1.65	$1.49	$1.35
77691	BenchPro	GIP-001-Rℛ	Binding post, screw type, chassis mount 1 black, 1 red	1.8 L x .50 Dia.	1.75	1.59	1.39
1818779	Pomona	3760-0ℛ	Binding post, accepts banana, wire, or spade lug, black	1.78 L x .44 Dia.	3.65	3.29	2.99
1818787	Pomona	3760-5ℛ	Binding post, accepts banana, wire, or spade lug, green	1.78 L x .44 Dia.	3.65	3.29	2.99
2204445	Pomona	3760-4ℛ	Binding post, accepts banana, wire, or spade lug, yellow	1.78 L x .44 Dia.	4.49	4.25	3.95
2127742	Pomona	3760-2ℛ	Binding post, accepts banana, wire, or spade lug, red	1.78 L x .44 Dia.	3.65	3.29	2.99
2205755	BenchPro	WTA-60R-4PKℛ	Binding post 4-pack, chassis mount, red/black/green/yellow	1.1 L x .30 Dia.	3.49	3.19	2.89
1582188	Keystone	6092ℛ	Banana jack, chassis mount, 0.182" solder tab, black	.937 L x .433 Dia.	1.59	1.39	1.25
1582170	Keystone	6091ℛ	Banana jack, chassis mount, 0.182" solder tab, red	.937 L x .433 Dia.	1.49	1.45	1.35

72195	137526
159863	159927

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
NAME BRANDS · HOUSE BRANDS · SPECIAL BUY

Test/Tools

Test Clips, Plugs and Posts (Continued)

More images on previous page

★ **Web Code: TLC**

Part No.	Manufacturer	Product No.	Description	Size (in.)	1	10	100
2168528	BenchPro	0584-BLK𝓡	Banana jack, chassis mount, solder tab, tin-plated, black	0.91 L x .43 Dia.	$1.09	$.99	$.89
2168536	BenchPro	0584-RED𝓡	Banana jack, chassis mount, solder tab, tin-plated, red	0.91 L x .43 Dia.	1.09	.99	.89
256779	BenchPro	R1-17-BLK-R𝓡	Panel mount tip jack; 1/4"-32 thread, black (10 pc. pkg)	.988 L x .29 Dia.	6.95	6.25	5.75
125197	BenchPro	GBRR2-R𝓡	Screw mount double binding/banana post, black/red	1.6 L x 1.4 W	3.95	3.49	2.95
72195	BenchPro	GBP205-R𝓡	Set screw banana plug, 1 black, 1 red	1.6 L x .40 Dia.	1.59	1.45	1.29
137526	BenchPro	HP-2234P-R𝓡	Set screw banana plug, 1 black, 1 red	2.3 L x .30 Dia.	3.49	2.99	2.49
159855	Pomona	1325-02𝓡	Solderless stackable banana plug w/ set screw, 1 black, 1 red	1.55 L x .17 Dia.	3.35	3.19	2.95
159863	Pomona	1825-02𝓡	Solderless stackable banana plug w/ safety collar, 1 black, 1 red	4.59 L x .39 Dia.	3.65	3.45	3.25
125210	BenchPro	GBRR4-BLK-R𝓡	Solderless stackable double banana plug, w/ wire guide, black	1.59 L x 1.20 W	1.75	1.55	1.49
159927	Pomona	MDP-02𝓡	Solderless stackable dbl banana plug, w/ wire guide, red (set of 2)	1.55 L x 1.18 W	5.95	5.49	5.19
11440	BenchPro	03-701A-R𝓡	BNC female to standard double banana plug, black	2.03 L x 1.7 W	4.95	4.49	3.95
125225	BenchPro	GB2BR2	BNC male to standard double banana plug, black	2.21 L x 1.8 W	5.49	4.95	4.49
125233	BenchPro	GB1BN2	BNC female to double binding/banana posts, black	2.14 L x 1.8 W	4.95	4.49	3.95
99355	BenchPro	GB2BN2𝓡	BNC male to double binding/banana posts, black	2.35 L x 1.7 W	4.95	4.49	3.95
114810	BenchPro	G2P004-R𝓡	Micro test clip, 1 red, 1 black	1.7 L	1.59	1.45	1.29
153163	BenchPro	SF-207-BL-R𝓡	Micro test clip, blue	1.7 L	.75	.69	.59
114818	BenchPro	G2P002-R𝓡	Mini test clip, 1 black, 1 red	3.5 L	2.49	2.25	1.95
248921	BenchPro	SF101CP-R𝓡	Mini alligator clip, solder/crimp (set of 2)	1.2 L x .30 W	.39	.35	.29
248939	BenchPro	SF-103CP-R𝓡	Mini alligator clip, solder/crimp (set of 2)	1.6 L x 0.3 Dia.	.55	.49	.45
256525	BenchPro	SF105B-R𝓡	Alligator clip, barrel/screw, 2" (set of 2)	2.0 L x .20 Dia.	.55	.49	.45
2177969	NTE	72-185-0𝓡	Alligator clip, black insulated handle, 0.31" jaw opening	2.23 L	.95	.85	.75
2177951	NTE	72-185-02𝓡	Alligator clip, red insulated handle, 0.31" jaw opening	2.23 L	.95	.85	.75
70991	BenchPro	GIP006-R𝓡	Insulated alligator clips, 1 black, 1 red	2.3 L x .50 W	.55	.49	.39
248962	BenchPro	SF-103SV-BK	Black insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	.35	.29	.25
248972	BenchPro	SF103SV-RD-R𝓡	Red insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	.35	.29	.25
1581986	Keystone	5001𝓡	PCB mini test point, looped, black, 0.100ID eyelet	.30L x .09 Dia.	.29	.25	.19
1582065	Keystone	5012𝓡	Looped color coded test point, white	.45 L x .063 Dia.	.29	.25	.19
2168430	Grip-On	37128	28-pc. electrical clip kit, alligatr clips and charging clips	—	5.95	5.49	4.95

11440

125233

99355

114810/114818

153163

248921

248939

256525

70991

248962

248972

1582065

Test Lead Starter Kit

JAMECO BenchPro

This kit includes our top selling test leads at a reduced price.

★ **Web Code: TLC**

Includes one of each:
- BNC female-to-pigtail cable (P/N 256832)
- BNC male-to-pigtail cable (P/N 2097555)
- BNC male-to-alligator clip (P/N 11384)
- BNC male-to-mini clip (P/N 11464)
- BNC female-to-micro clip (P/N 11422)
- Mini clip to stackable banana test leads (P/N 21857)
- Double banana plug to alligator clip test leads (P/N 107423) • Protected probes (P/N 21865)
- Protected multimeter test leads
- Standard banana-style multimeter test leads (P/Ns 77738/77746) • Anti-static wrist strap (P/N 34552)

Part No.	Description	1	5
2113236	Test lead starter kit	$39.95	$36.95

26-Piece SAE Hobby Tool Set

JAMECO BenchPro

- 4-1/2" long nose pliers
- 4-1/2" diagonal cutting pliers
- #1 & #2 Phillips bits
- #1 & #2 pozi bits
- 3/16" & 1/4" slotted bits
- Hex to 1/4" driver adapter • Compact carrying case
- T-10, T-15, and T-20 Torx bits • Driver handle
- 3" extension bar for 1/4" drive • Tweezers
- 3 slotted and 3 screw driver precision set
- 3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
- Size: 12.0"L x 9.0"W x 2.0"H • Weight: 1.5 lbs.

Part No.	Description	1	5	25
170069	26-pc. SAE tool set	$15.95	$14.49	$12.95

40-Piece Electronic Tech Tool Kit

JAMECO BenchPro

- Kit includes:
  - Wire cutters/ stripper
  - Adapter bit for sockets
  - Pocket clip screwdriver
  - 10-pc screwdriver set
  - T10-T25 reversible – Torx screwdriver bits
  - Potentiometer alignment tools
  - 3/16"-1/2" S.A.E. nut driver sockets
  - 6mm-12mm metric nut driver sockets
  - Slotted and Phillips screwdriver bits
  - Extra long 3-claw parts holder
  - IC inserter with pin straightener – IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.

Part No.	Description	1	5	25
119183	40-piece tool kit	$24.95	$22.49	$19.95

51-Piece Tech Tool Kit

JAMECO BenchPro

- Kit includes:
  - Storage box
  - 4 pliers
  - Tweezers
  - Scissors
  - 7-piece hex key set
  - PVC insulated tape
  - 10-piece screwdriver set
  - Utility knife (3 blades)
  - 2 Needle files   – Multimeter
  - 3-piece soldering aid kit   – Brush
  - Desoldering pump   – Wrench
  - 6-piece electronic screwdriver set   – Solder core
  - Soldering iron with stand and sponge
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H • Weight: 12.2 lbs.

Part No.	Description	1	5
26681	51-piece tool kit	$119.95	$109.95

65-Piece Master Electronics Tool Kit

ProsKit

Simply every tool needed for field repair or installation, all in a handsome lockable case with room for spare parts or special equipment.

- Kit includes:
  - 7 pliers – Storage box
  - Wrench – 3-piece soldering aid kit
  - Soldering iron with stand and sponge
  - 10-piece screwdriver set   – Brush
  - Crimping tool   – Oil can   – Desolder wick
  - 6-piece screwdriver set   – Desolder pump
  - Testing screwdriver   – 5-piece file set
  - IC extractor   – Flashlight   – Alignment tool
  - 6-piece wrench set   – 7-piece hex set
  - 3-prong holder – Hammer – Tweezers
  - Measuring tape – Heat sink – Scissors
  - Solder core   – PVC insulated tape
  - Utility knife (3 blades)   – Part tube
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H • Weight: 16.9 lbs.

Part No.	Description	1	5
218245	65-piece tool kit	$179.95	$169.95

★ *Tool Kits — Enter Web Code CAA*

Aluminum Tool Case

JAMECO BenchPro

Made of lightweight aluminum, this tool case is designed to take rough field use.

- Size: 19.0"L x 14.0"W x 6.0"H

Includes: Tool pallet, egg carton foam lid and 2.5" thick pre-cut foam bottom

Part No.	Description	1	5
261877	Tool/equipment case𝓡	$49.95	$44.95

𝓡 RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Test/Tools

100-Piece Professional Electronics Tool Kit

JAMECO BenchPro

- Kit includes:
  – Soldering iron
  – 12 screwdrivers
  – 7-piece hex key set
  – Extractor
  – 4 Pliers
  – Adjustable wrench
  – Crimper/Stripper
  – 6-piece screwdriver set
  – 3-piece soldering aid kit
  – Flashlight
  – Desoldering pump
  – Multimeter
  – Tweezers
  – 5-piece file set
  – 10-piece wrench set
  – Voltage tester
  – 2 bottles cleaning liquid
  – Blade cutters
  – Cordless screwdriver kit (bits included)
  – Vise
  – Brush
  – Soldering stand
  – Solder pen
  – Cutters
  – Storage box
  – Tape
  – Wrist strap
  – Vacuum cleaner
  – Scissors
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H • Weight: 20 lbs.

Part No.	Description	1	5
242851	100-piece tool kit	$149.95	$134.95

12-Piece Fiber Optic Tool Kit

ProsKit

- Kit includes:
  - SC polishing disk
  - Fiber optic crimping tool
  - Fiber optical tools
  - Foam swabs cleaning kit
  - Utility component storage box
  - Fiber optic 100x-200x viewing scope kit
  - Universal syringe 2.5mL
  - ST polishing disk
  - Side cutter 125mm
  - Carbide fiber scribe
  - Carrying zipper bag
  - Fiber optic kevlar cutter
  - Size: 11.0"L x 7.8"W x 2.8"D

Part No.	Description	Weight	Price
2193491	Fiber optic tool kit	3.5 lbs.	$169.95

116-Piece Tech Service Tool Kit

ProsKit

- Kit includes:
  – Storage box
  – 8 pliers
  – Tweezers
  – Spring hook
  – 3-piece soldering aid kit
  – Desoldering pump
  – 3-piece alignment tool set
  – Diagonal cutter
  – Soldering iron
  – Forceps
  – 9-piece screwdriver set
  – Wire stripper
  – 5-piece file set
  – Flashlight
  – 3-prong holder
  – PVC insulated tape
  – Heat sink
  – Measuring tape
  – 6-piece electronic screwdriver set
  – 40-piece socket & screwdriver set
  – 10-piece electronic wrench set
  – Drill
  – Desoldering wick
  – Brush
  – Crimping tool
  – Extractor
  – 7-piece hex key set
  – Hammer
  – Solder core
  – Wrist strap
  – Inspection Mirror
- Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.

Part No.	Description	1	5
149024	116-piece tool kit	$295.95	$269.95

95-Piece Pro-Tech Tool Kit

JAMECO BenchPro

- Kit includes:
  – Navy blue storage box
  – 7-piece hex key set
  – 5-piece needle file set
  – 10-piece wrench set
  – 8 different pliers
  – 6-piece precision screwdriver set
  – 29-pc. socket wrench set
  – Wire stripper/crimper
  – Cushion grip screwdrivers
  – Hammer
  – Inspecting mirror
  – Tape measure
  – Digital multimeter
  – Lead-free solder core
  – Desolder pump
  – 6" chrome-plated wrench
  – Stainless steel tweezer
  – Plastic fliptop box
  – 30W soldering iron
  – Cleaning brushes
  – Aluminum flashlight
  – Mini drill with drill bits
  – Mini hobby vise
  – Elastic wrist strap
  – IC extractor
  – Electrical tape
- Size: 18.4"L x 13.4"W x 6.4"H

Part No.	Description	Weight	Price
2153756	95-piece tool kit *R*	20.6 lbs.	$174.95

119-Piece Chrome Vanadium Tool Kit

JAMECO BenchPro

- Kit Includes:
  - 13-piece combination wrench set
  - 52-piece socket tool set
  - 2 adjustable wrenchs 6" and 8"
  - 7-piece nut screwdriver set
  - 8-piece (SAE), 8-piece (Metric) hex-key set
  - 5-piece torx screwdriver set
  - 8-piece screwdriver set
  - 1 water pump plier
  - 2 lock grip pliers 5" and 7"
  - 1 combination leveler
  - 6-pliers
  - 1 wire stripper
  - 6" tape measure
  - 2 pliers off set
  - 1 claw hammer
- Sockets and wrenches are chrome vanadium plated
- High resistant aluminum case
- Size: 19.3"L x 14.6"W x 6.5"D • Weight: 31.2 lbs.

Part No.	Description	Price
2129941	119-piece tool kit	$149.95

Variable High-Speed Drill Rotary Tool Kit

JAMECO BenchPro

- Speed: 6000~32000rpm
- Motor power: 130W
- Collet capacity: 3.2mm
- 28 pcs. sanding/grinding bit set
- Case included, 2.2 lbs.
- Variable speed selector

Part No.	Description	1	5
2118977	Variable rotary tool kit	$29.95	$26.95

Nibbling Tool

- Perfect for cutting, trimming, or notching sheet metal up to 18 AWG
- Time-saver when working on prototyping, chassis, and circuit boards
- Minimum 0.375" hole required • Size: 7.8"L

18810

Part No.	Mfr. Part No.	Description	1	10
18810	HT204	Nibbling tool *R*	$7.95	$6.95
29331	HT204B	Replacement bit *R*	3.95	3.59

★ Tool Kits — Enter Web Code CAA

16-Piece Repair Tool Kit for Apple Products

ProsKit

Specially made for Apple product repairs.

NEW MARKED IN PINK

In Use

- High-quality steel screwdriver bits
- Levers and pry paddles for scratch-free opening
- Miniature suction cup for touch screens
- Also works on cell phones and small electronic devices

Part No.	Mfr. Part No.	1	5
2196887	SD-9314 *R*	$14.95	$13.49

Automatic Center-Punch Tool

JAMECO BenchPro

- Adjustable • Alloy steel point
- Precision instrument
- Knurled steel body • Size: 5.0"L x 0.5"Dia.

Part No.	Description	1	10
160282	Center punch tool	$6.95	$6.49

5-Piece Needle File Set

JAMECO BenchPro

- Round, square, tri-square, half-round, flat
- Made of heavy duty hardened steel
- Color: black with red handle • Each 7" long

Part No.	Description	1	5	25
2157589	5-piece file set	$5.95	$5.49	$4.95

Pocket Screwdriver

JAMECO BenchPro

Phillips & Flat head ★ Web Code: CAQ

- Pen clip for pocket storage

Part No.	Description	1	10	100
127271	6"L pocket screwdriver	$1.95	$1.59	$1.39

Pocket Deburring Tool

JAMECO BenchPro

- Easily smooth out sharp-edged holes
- Swivel movement
- Pocket clip • Size: 5.5"L

Part No.	Description	1	5	25
2157597	Pocket deburring tool	$4.95	$4.49	$3.95

Precision Cutting Knife

JAMECO BenchPro

- Ultra sharp cutting blades
- Precise blade with protective cover

Part No.	Length	1	5	25
2157571	6.0"L	$3.95	$3.59	$3.29

Deluxe Precision Knife Set

JAMECO BenchPro

- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H

Includes: 13 types of blades

Part No.	Description	1	10	100
72768	13 blade knife set	$8.95	$7.95	$6.95

Test/Tools

★ For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Xcelite | **JAMECO BenchPro** | **Wire Cutters/Strippers/Crimpers** | *EXIMCORP* | **Proskit** | ★ **Web Code: GBU**

179902 | 2123320 | 35482 | 146712 | 2188060 | 2112292 | 159185 | 114535 | 78992 | 215889 | 159274

2112284 | 99443 | 159291 | 2196879 | 161200/161218 | 175098 | 18797 | 2153078 | 2192376 | 159312 | 174676

Part No.	Manufacturer	Mfr. P/N	Description	Cut	Strip	Crimp	Size (L" x W")	1	5
				Functions				**Pricing**	
179902	BenchPro℟	GPL-171	4" leaf spring cutters w/ flush side cutting, forged steel, cushion grip	✔			4.0 x 2.6	$3.95	$3.59
34658	Eximcorp	DP2458	5.3" heavy duty diagonal flush cutters, heat-treated forged steel	✔			5.3 x 2.2	3.95	3.49
2123320	BenchPro℟	GPL-101	4.5" spring return cutters w/ flush side cutting, carbon steel, vinyl grip	✔			4.5 x 2.6	4.95	4.49
35482	BenchPro℟	AX103	4.3" Diagonal wire cutters, rubber handles, 0.5" cutting blade, 45° angle	✔			4.3 x 2.1	6.95	6.49
146712	Xcelite℟	170M	5" general purpose shearcutters, flush cutting, red cushioned grips	✔			5.0 x 2.5	6.95	6.49
2188051	Xcelite℟	170D	5" general purpose shearcutter with static-dissipative black grips, up to 20AWG	✔			5.6 x 2.7	7.95	6.95
2188060	Xcelite℟	1178M	5.6" heavy-duty shearcutters, for IC pins, cables and harnesses, up to 14AWG, red grips	✔			5.6 x 2.7	12.95	11.95
161411	Pro's Kit	1PK-717	5" Diagonal wire cutters, insulated handles, cuts 0.08mm fine wire	✔			5.0 x 1.8	7.95	7.49
146739	Xcelite℟	MS54V	4" semi-flush oval head cutters, diagonal cut, green cushioned grips	✔			4.2 x 1.8	17.95	16.95
217921	Xcelite℟	MS54J	4" oval head-flush diagonal cutters, flush cut, green cushioned grips	✔			4.3 x 1.8	19.95	17.95
1536974	Xcelite℟	S475NJS	5" tapered head diagonal cutters, flush cut, green cushioned grips	✔			5.0 x 2.5	18.49	17.95
217904	Xcelite℟	MS549JV	4" tapered head diagonal cutters, flush cut, green cushioned grips	✔			4.2 x 1.8	18.95	17.95
217867	Xcelite℟	MS545JV	4" slim line tapered head cutters, diagonal flush cut, green cushioned grips	✔			4.2 x 1.9	19.49	18.95
2112292	BenchPro℟	TTK-061	UTP/STP wire stripper, 3-24 AWG, shilded/unshielded/twisted pair cable		✔		3.5 x 1.3	2.49	1.95
159185	Hanlong	HT-332D	2-blade rotary coax cable strippers, 4 settings for cable sizes 4-12mm		✔		3.9 x 0.7	12.95	11.95
114535	Hanlong℟	HT-336G	Ratcheted BNC crimper, for RG58,RG59,RG62,RG174, and fiber optic			✔	8.5 x 2.5	22.95	21.95
78992	Hanlong℟	HT-108	5" cutter/strippers, 10-30 AWG, spring return, screw-adjustable wire gauge	✔	✔		5.0 x 3.0	4.49	3.95
215889	BenchPro℟	JE-2022C	5" cutter/strippers, 10-24 AWG, spring return, dial to adjust wire gauge	✔	✔		5.0 x 3.0	4.49	3.95
159274	Hanlong℟	HT-1091	5" cutter/strippers, 20-24 AWG, spring-loaded, insulated grips, 45° angle	✔	✔		5.0 x 3.0	4.95	4.49
2112284	BenchPro℟	GTA-002	Automatic wire strippers, 10-24 AWG, spring-loaded handle w/ wire stopper	✔	✔		6.8 x 3.2	8.95	7.95
2185635	BenchPro	TTK-069	Cable cutter/stripper, UTP/STP/flat telephone/coax cable, easy rotation	✔	✔		4.5 x 2.3	7.95	6.95
159291	Hanlong℟	HT-5023	6.6" cutter/strippers, 20-30 AWG,cuts steel wire, scale markings in AWG/mm	✔	✔		6.6 x 2.0	9.95	8.95
99443	Hanlong℟	HT-202A	Non-insulated terminal crimper, for D-subs and non-insulated connectors	✔		✔	7.3 x 1.5	9.95	8.95
159266	Hanlong℟	HT-213	D-sub crimper, crimps D-sub pins and sockets, works with 20-28 AWG wire	✔		✔	7.0 x 4.0	11.95	10.95
2196879	Pro's Kit	200-080	2-in-1 cutter/stripper tool, 14-26 AWG, hardened stainless steel blades	✔	✔		5.0 x 3.0	12.95	11.95
161200	Ideal℟	45-120	6" cutter/strippers, strips 12-20 AWG stranded, 10-18 AWG solid, plier nose	✔	✔		6.0 x 2.0	14.95	14.49
161218	Ideal℟	45-121	6" cutter/strippers, strips 16-26 AWG stranded, 14-24 AWG solid, plier nose	✔	✔		6.0 x 2.0	16.95	15.95
175098	BenchPro℟	GTA-006H	Automatic strippers, 8-22 AWG, spring-loaded handle with wire stopper	✔	✔		7.0 x 3.5	16.95	15.49
18797	Hanlong℟	HT-1041	7-in-1 wire-handling tool, 10-18 AWG, steel wire cutter, wire loop, red	✔	✔	✔	6.6 x 3.0	5.95	5.49
127862	Hanlong℟	HT-1042	7-in-1 wire-handling tool, 16-26 AWG, steel wire cutter, wire loop, blue	✔	✔	✔	6.6 x 3.0	5.95	5.49
127871	Hanlong℟	HT-1043	7-in-1 wire-handling tool, 22-30 AWG, steel wire cutter, wire loop, orange	✔	✔	✔	6.6 x 3.0	6.95	6.49
2153078	BenchPro℟	GRK-42N	8.5" cutter/crimper/stripper, ergonomic grip, 10-22 AWG, wire gauge markings	✔	✔	✔	8.5 x 3.0	9.95	8.95
2192376	BenchPro℟	HT-N5684	7.5" modular crimping tool, 8P8C/RJ45, 6P6C/RJ12, 6P4C/RJ11,4P4C and 4P2C	✔	✔	✔	7.5 x 3.0	15.95	14.95
159312	Hanlong℟	HT-568R	Ratcheted modular connector crimper, RJ45 (8P8C) and RJ11/12 (6P6C) plugs	✔	✔	✔	7.5 x 3.0	22.95	19.95
174676	BenchPro	TTK-070	Modular crimping tool, for RJ11 and RJ45 modular plugs, repeatable crimping	✔	✔	✔	8.5 x 2.2	27.95	25.95

Erem® High-Precision Cutters

100% guaranteed against defects! **APEX**

- Internal Magic Springs for constant "fatique-free" operation for over 1 million openings
- High-Precision Inter-lock Screw Joint System for smooth, wobble-free operation
- The finest ESD-safe cushion grips for superior comfort and protection
- Compacted Eremadium® steel implanting extra strength to the tool
- Re-sharpenable razor edges • Swiss-made
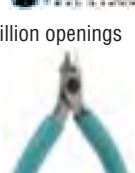
2192350

Part No.	Mfr. P/N	Description	1	5
2192350	776E℟	4.25" super full flush cut	$79.95	$72.95
2192368	622N℟	4.50" full flush cut	54.95	49.95

molex Hand Tools for Mini-Fit™ Jr.

304928

304936

304928: • Accepts wire range from 14-24 AWG
- Insulated small handle spread design
- Great for open-barrel terminals

304936: • For the removal of Mini-Fit Jr™ crimped terminals series from their housings

Part No.	Mfr. Part No.	Description	1	5
304928	63811-1000	Crimp tool	$49.95	$44.95
304936	11-03-0044	Extraction tool	19.95	18.95

★ *Crimping Tools — Enter Web Code GBU*

Proskit 34-Piece Security Bit Set

These bits match the security fasteners commonly used in today's electronic products.

Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver
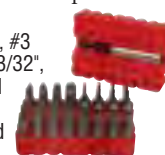
Part No.	Description	1	10
223829	32-piece security bit set	$13.95	$12.95

℟ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Xcelite® EXIMCORP JAMECO BenchPro — Pliers

34796	94512	94554	34762	104257	104249	98993	35474	35491	177608

34712	42104	2157642	2180172	217891	152055	73121	217998	146721	2100161

Part No.	Manufacturer	Mfr. Part No.	Description	Length	1	5
34796	Eximcorp	BN2497	Bent oval nose pliers with serrated jaws, forged steel, heat-treated, insulated grips*	4.5"	$2.95	$2.69
94512	Eximcorp	SN2468	Standard square nose pliers with serrated jaws, forged steel, heat-treated, insulated grips*	5.5"	2.95	2.49
94554	Eximcorp	NP2491	Standard nipper nose pliers, spring-loaded, forged steel, heat-treated, insulated grips*	4.25"	2.95	2.69
34762	Eximcorp	BNC2493	Standard bent oval nose pliers with cutters, serrated jaws, forged steel, heat-treated, insulated grips*	7.0"	3.95	3.49
104257	Eximcorp	SP2460	Sportman's straight square pliers, forged steel, heat-treated, insulated grips*	8.0"	3.95	3.69
104249	Eximcorp	EP2488	Electrician's pliers with cutters, serrated jaws, forged steel, heat-treated, insulated grips*	8.25"	2.95	2.49
98993	Eximcorp	SBP2459	Sportman's square bent pliers, forged steel, heat-treated, insulated grips*	7.5"	4.95	4.49
35474	BenchPro℞	GPL-204-R	Flat long nose, stainless steel, spring return, durable rubber handles, knurled jaws	5.3"	4.95	4.49
35491	BenchPro℞	AX104-R	Half round long nose, stainless steel, spring return, durable rubber handles, knurled jaws	5.3"	4.95	4.49
177608	BenchPro℞	GPL-172	Half round long nose, drop forged steel, heat treated, spring return, vinyl grips, knurled jaws	4.5"	4.95	4.49
34712	Eximcorp	NNC2480	Needle oval nose pliers with cutters and serrated jaws, forged steel, heat-treated, insulated grips*	5.25"	5.49	4.95
42104	Eximcorp	SN2481	Needle flat nose pliers with serrated jaws, forged steel, heat-treated, insulated grips*	5.25"	5.95	5.49
2157642	BenchPro	GPL-820	Snap ring plier, for internal-external use, effective range: 18-48mm (straight)	8.0"	6.95	6.49
2180172	BenchPro	MP-810	4-pc. tool set (side cutter, long-nose plier, flathead & philips screwdrivers), high grade carbon steel	—	11.95	10.95
217891	Xcelite℞	L4V	Subminiature needle nose pliers, cushioned grips, general purpose use	4.0"	16.95	16.49
152055	Xcelite℞	S2K	Shearcutter pliers set with 5.6" needle nose plier and 5.2" electronic flush cutter, made of carbon steel	5.6" / 5.2"	16.95	16.49
73121	BenchPro℞	PLIERS 5PC-R	5-Piece precision stainless steel pliers set (micro cutting, micro round, long nose, flat nose, bent nose)	—	18.95	17.95
217998	Xcelite℞	LN54GV	Thin long nose pliers with cushioned grips, smooth jaws, general purpose use	5.0"	18.49	17.95
146721	Xcelite℞	NN7776V	Long needle nose flat pliers with cushioned grips, smooth jaws, general purpose use	5.0"	19.95	18.95
2100161	Eximcorp	EXIM10	10-piece pliers & cutters tool kit w/ the pliers marked above with an (*) and cutter P/N 34658 (pg 130)	—	29.95	26.95

JAMECO BenchPro — Hi-Speed Steel Step Drill Bit & Set

Drill multiple holes in thin material with the same bit, faster and easier. Each bit does the work of many drill bit sizes. You can drill holes in most materials such as plastic, metal, and wood up to 1/8" thick.

- Heat-treated, high speed steel with titanium coating
- 2 flute design for faster, smoother and cleaner cuts

229657: • 3/8" round shank
2169731: • 1/4" quick change hex shank • Includes 3 pieces: 3/16" - 1/2" 6-step; 1/4" - 3/4" 9-step; 1/8" - 1/2" 13-step

Part No.	Description	1	10
229657	3/16" – 7/8" 13-step	$14.95	$13.49
2169731	3-piece set	16.95	15.95

★Drill Bits — Enter Web Code NEJ

20-PIECE DRILL BIT GRAB BAG

Includes diameters: 0.125", 0.120", 0.116", 0.113", 0.110", 0.102", 0.040" and 0.021" Net. Weight: 4.80 oz. (0.27 lbs.)

Part No.	Mfr. Part No.	Price
2082038	GB202	$19.95

See page 33

JAMECO BenchPro — PC Board Drill Bits

- Shaft diameter: 0.125"
- Use for drilling holes in glass PC boards

Part No.	Size	Diameter	1	10	100
1919537	1/8	0.125"	$1.49	$1.25	$.95
1919588	31	0.120"	1.49	1.25	.95
1919300	32	0.116"	1.49	1.25	.95
1919609	33	0.113"	1.49	1.25	.95
1919553	35	0.110"	1.49	1.25	.95
1919570	38	0.102"	1.49	1.25	.95
16580	59	0.040"	2.49	2.25	1.95
16619	75	0.021"	2.49	2.25	1.95

#60 Drill Bit Box Kit

- 50 pcs of #60 drill bits
- With ring protector

NEW MARKED IN PINK

Includes: Storage box

Part No.	Mfr. Part No.	1	5
2208260	SD14R.0225	$49.95	$44.95

JAMECO BenchPro — Mini-Drill and Stand

This Mini-Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.

26702

26711

12,000 RPM

Part No.	Description	Wt. (lbs.)	1	5	25
26702	GTT-103A drill	0.8	$37.95	$34.95	$31.95
26711	GTT-104 stand	1.8	27.95	25.95	23.95

JAMECO BenchPro — Mini-Drill Bit Kit

- Mini drill (26702)
- Mini drill stand (26711)
- Drill bit sizes 75 & 59 (P/Ns 16619/16580)

Part No.	Description	Price
2113252	Mini-drill bit kit	$59.95

JAMECO BenchPro — Cordless Drill Kit

- Dual angle cordless power screwdriver and drill
- No load speed: 200 RPM
- Size: 10.7"L x 1.6" Dia.

NEW MARKED IN PINK

Part No.	Mfr. Part No.	1	10
2208711	GTT-275A	$26.95	$24.95

Test/Tools

---

*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Ball-End, Hex Key, Nut Driver & Screwdriver Sets

JAMECO BenchPro

NEW MARKED IN PINK

Bondhus/Felo Products: Inferior tools cost extra money when something goes wrong. The cost of removing a stripped or broken screw head from a tight location or replacing a damaged tool exceeds the cost of purchasing a superior tool in the first place. Get it right the first time around with these reliable tools.

- Material: Protanium high torque steel
- Ergonomically designed anti-roll handle
- Bondhus: Made in USA; Felo: Made in Germany
- Ball-end inserts quickly into screw head up to 25 degrees
- Delivers perfect balance between tip strength and working angle
- Lifetime warranty

★ Web Code: CAQ

Part No.	Mfr.	Description	1	10
34041	BenchPro	6-pc. precision screwdriver set (slotted – 3/64", 1/16", 5/64", 5/32", 1/8", 9/64")	$2.95	$2.59
34059	BenchPro	6-pc. precision screwdriver set (Phillips #0 – 1/16", 5/64", 3/32", #1 – 1/8", 9/64")	3.95	3.59
99451	BenchPro	6-pc. long neck screwdriver set (slotted – (Dia. x L) 3/32" x 6 5/8", 1/8" x 7 5/8", 5/32" x 9 5/8", Phillips – #00 x 6 5/8"L, #0 x 7 5/8"L, #1 x 9 5/8")	10.95	9.95
168735	Xcelite℞	XP600 6-pc ESD-safe screwdriver set, slotted & philps, vanadium steel w/ black oxide tips and case	25.95	24.95
226106	BenchPro	6-pc. precision 50 mm torx screwdriver set (Torx – T5, T6, torx hex – T7, T8, T9, T10)	12.95	11.95
2204218	Xcelite℞	XPTX600 6-pc ESD-safe Torx screwdriver set, vanadium steel w/ black oxide tips and storage case	31.30	29.95
2096229	Felo	6-pc. screwdriver set (slotted – 9/64"; 5/32"; 7/32"; 1/4"; Phillips – #1; #2)	36.95	33.95
2204226	Xcelite℞	NPND600 6-pc ESD-safe precision nutdriver set, vanadium steel, 7/64", 1/8", 9/64", 5/32", 3/16", 7/32"	31.00	28.95
2157626	BenchPro	7-pc. folding hex wrench set, compact foldable design, 4" long	3.95	3.49
2119005	BenchPro	8-pc. ratcheting screwdriver bit set (3-slotted, 3 philips, 1 square)	1.95	1.79
2157634	BenchPro	8-pc. folding hex wrench set, compact foldable design, 4" long	3.95	3.49
226094	BenchPro℞	11-pc. magnetic AWL prec. screwdriver set (slotted – .9, 1.2, 1.4, 1.8, 2.4, 3 mm, Phillips – #00, #0, #1)	3.95	2.95
2096173	Bondhus	12-pc. ball-end hex key set (.05", 1/16", 5/64",3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16")	13.95	12.49
2153060	BenchPro℞	14-pc. mini screwdriver set with leather pouch and 12 flathead, phillips, and Torx bits	10.95	9.95
2153086	BenchPro℞	28-pc. set with multiple philips/slotted/torx/hex bits and adapters	15.95	14.95

34041 **34059** **99451**

168735 **226106** **2204218**

2096229 **2204226** **2157626**

2119005 **2157634** **226094**

2096173 **2153060** **2153086**

JAMECO BenchPro ## 30 AWG Wire Wrap/Strip Tool

Recommended for use on 0.025" (0.63mm) square posts on 0.100" (2.54mm) center grids. The first 1-1/2 loop on the modified tool has wire insulation.

- Modified wrap for 30 gauge Kynar wire (pg 45)
- Knurled handle for easy grip • 5" long
- Wire stripper stored in handle

Part No.	Description	1	5
2150361	Modified wrap tool℞	$19.95	$17.95

1/4-Watt & 1/2-Watt Resistor & Capacitor Lead Forming Tool

- Watt size indicates appropriate package size
- Bends lead length in 0.05" increments
- Lead spacing: 1/4W: 0.4"-1.5"; 1/2W: 0.5"-1.5"

Part No.	Description	Size (L" x W")	1	10
106884	1/4W & 1/2W	5.4 x 1.5	$4.95	$4.49

JAMECO BenchPro ## 5" Steel Hemostats

- Grade 410 A.I.S.I. stainless steel
- Three locking positions

115115

Part No.	Cross Ref. No.	Description	1	10
115107	HEMO1	5" straight	$3.95	$2.95
115115	HEMO2	5" curved	3.95	2.95

JAMECO ValuePro ## 24" Joubert Bungee Cord

- 2.75" steel hook height
- 0.81" steel hook opening
- 0.16" thick PVC coated steel hook
- Blue cord with black coated hook
- Stretches easily to 48"

Part No.	Cross Ref. No.	1	10	100
2081668	JBC24	$.99	$.89	$.79

JDV ## Strip-Wrap-Unwrap Tools

34585

★ Web Code: BBC

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 45 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long

Part No.	Mfr. Part No.	1	5
34585	HSM30 (Modified)	$29.95	$27.95
236785	HSR30 (Regular)	29.95	27.95

JAMECO BenchPro ## IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.

- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Material: durable plastic • Size: 3.3"L x 1.5"W x 0.4"H

Includes: Ground terminal

Part No.	Description	1	10	100
99363	IC straightener℞	$7.95	$6.95	$5.95

6" & 12" Stainless Steel Rulers
Tough and durable for on-site measurements

2153131

JAMECO BenchPro

- Etched markings in centimeters and inches
- Conversion table from inches to millimeters

Part No.	Cross Ref. No.	Length	1	10	100
2153107	GMT-106℞	6"	$2.95	$2.75	$2.49
2153131	GMT-112℞	12"	4.95	4.49	3.95

JAMECO BenchPro ## T-Handle Reamer Tool
Excellent for aluminum chassis work

- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long

Part No.	Description	1	10
151750	T-handle reamer℞	$7.95	$6.95

JAMECO BenchPro ## Metal Dial Caliper
Measures in inches

★ Web Code: PAQ

- Measures outside, inside & depth
- Accurate measurements every time
- Easy-to-read dial gauge
- Materials: metal • Color: silver
- Length: 6" (150mm)

Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	5
116126	Inches (.001 inch)	$21.95	$19.95

JAMECO BenchPro ## Digital Display Calipers
Metric and Inches

- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements
- One-year warranty

★ Web Code: PAQ

Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783, pg 117)

Part No.	Description	1	5
127482	Measures 6" (150mm)	$29.95	$26.95
2153545	Measures 8" (203mm)	34.95	31.95

JAMECO BenchPro ## Tweezers

★ Web Code: FAA

252929: Straight round, fine-point tip, stainless steel
253092: Curved fine-point tip
252938: Self-closing reverse-action tweezers; medium point tip; stainless steel
253113: Fine-point tip, insulated, anti-static
252912: Straight fine-point tip, tapered

Part No.	Length	Photo	1	10	25
252929	4.75"	1	$2.95	$2.49	$1.95
253092	4.6"℞	2	2.95	2.49	1.95
252938	4.6"℞	3	2.95	2.49	1.95
253113	4.75"℞	4	2.95	2.49	1.95
252912	4.75"℞	5	2.95	2.49	1.95

Test/Tools

℞ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

4-Piece Steel Tweezer Set

• 4 styles of stainless steel tweezers, one self-locking

Part No.	Description	1	10	100
10735	4-piece tweezer set	$5.95	$5.49	$4.95

4-Piece Non-Conductive SMD Tweezer Set

NEW MARKED IN PINK

velleman

• 4 type of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip • 4.5" long

Part No.	Mfr. Part No.	1	5
2196861	VTTWSET2	$6.95	$6.49

EFD Vacuum Tweezers

Pick & place small parts of all kinds: glass slides, coins, optics, SMDs, film, etc.
• Easy interchangeable tips
• ESD safe body

88268

Part No.	Mfr.	Includes	1	5
207239	Xytronic	4 tips/cups*R*	$19.95	$17.95
2183939	Xytronic	3 tips/cups*R*	24.95	22.95
88268	EFD	7 tips/cups (.14"-.4") ..	44.95	39.95

PLCC & DIP IC Extractors

★ **Web Code: MAB**

16838   2157600   2173175   16766

Part No.	Manufacturer	Description	1	10	100
16838	BenchPro	DIP	$1.95	$1.75	$1.49
2157600	BenchPro	3-prong	2.95	2.59	2.39
2173175	BenchPro	PLCC	3.49	2.95	2.49
16766	Velleman	PLCC	3.95	3.49	2.95

Anti-Static Wrist Straps

• Comfortable, adjustable black Velcro wrist strap
• The coiled grounding cord has banana plug and alligator clips
• Extended cord: 9'L (2131266: 6'L)
Includes: 1MΩ resistor for added safety

34552

Part No.	Mfr.	Color	1	10	100
34552	BenchPro	Blk/yellow*R*	$6.95	$6.49	$5.95
2131266	Velleman	Black/yellow ...	4.95	4.49	3.95

Conductive Anti-Static Bags and Foam

Don't get zapped!

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

13864: 24"L x 12"W x 0.25"H

13864

✳ Order in multiples of 10

Part No.	Description	1	10	100
249519	4" x 6" anti-static bags	✳	$.15	$.10
249527	5" x 7" anti-static bags	✳	.19	.12
78650	8" x 10" anti-static bags	.49	.39	.29
13864	Anti-static foam	11.95	10.95	9.95

Anti-Static Heel Strap

NEW MARKED IN PINK

• Discharges static without restricting your mobility
• Ground strap length: 24"L

Part No.	Description	1	10	25
2204437	Strap w/ 1MΩ resistor	$5.95	$5.49	$4.95

Anti-Static Work Mats

These mats are made of attractive semi-conductive vinyl that provide adequate discharging yet will not short leads or pins.

236541

Part No.	Dimensions	Wt. (lbs.)	1	10	25
10576	11.3" x 22"*R*	0.7	$9.95	$8.95	$7.95
10584	19.5" x 23.5"*R*	1.1	13.95	12.49	10.95
2130853	19.7" x 23.6"*R*	1.1	14.95	13.95	12.95
236541	23.5" x 27.5"*R*	1.4	24.95	22.49	19.95
2152075	24" x 48"*R*	3.9	69.95	64.95	59.95

★ *Anti-Static — Enter Web Code XAA*

Field Service Static Kit

• 4 pocket for ESD safe storage
• 10' ground strap and 6' wrist strap share on one ground point
• Size: 2' x 3'

Part No.	Cross Ref. No.	1	5	25
2113720	8PK-AS07-1*R*	$15.95	$14.95	$13.95

22"L Anti-Static Plastic DIP IC Storage Rails & Rubber Rail Stops

29524 (ICs not included)   29583

29516: .300" rail fits 8, 14, 16, 18, 20 and 22-pin ICs
29524: .600" rail fits 24, 28, 36 and 40-pin ICs
29583: Rubber stops used to plug plastic rail ends
Note: previously used

✳ Order in multiples of 10

Part No.	Product No.	Description	1	10	100
29516	RIC20	.300"W rail	$.29	$.25	$.22
29524	RIC220	.600"W rail	.29	.25	.22
29583	RRS	Rubber stop	✳	.09	.07

Visor Magnifier w/ Light

• Power supply: 4 AAA batteries (not included)
• Adjustable dioptry: 1.8/2.3/3.7/4.8
• Size: 7.9"L x 2.4"W x 5.5"H

Part No.	Mfr. Part No.	Wt. (oz.)	1	10
2131119	VTMG6	5.3	$7.95	$6.95

LED Lighted Helping Hand

• Built-in LED light
• 2.5" magnifier lens with adjustable neck
• 2 alligator clips
• Soldering iron holder
• Size: 10.5"L x 5.2"W x 2.6"D

★ **Web Code: YAU**

Part No.	Mfr. Part No.	1	5
2168448	55133	$14.95	$13.95

Illuminated 1.5X Magnifier

• 3.5"Dia. x 7.5"L
• Light requires 2 AA batteries (not included, recommend P/N 198707, pg 117)

Part No.	Description	1	5
149542	Illuminated magnifier	$4.95	$4.49

3 Diopter, 3-Bulb Magnifying Lamp

• Three 9-watt flourescent compact bulbs included
• Adjustable 3 diopter lens
• 7" x 4.5" rectangular lens
• 47" long arm • 2 on/off buttons
• Color: beige • Weight: 7.6 lbs. • UL listed
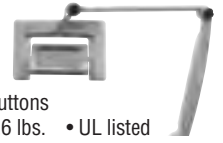
Part No.	Description	1	5
217517	Adj. magnifying lamp	$79.95	$74.95

Precision 5 Diopter Magnifying Lamp

• 40" arm extension • 5 diopter lens
• 5" diameter lens • Weight: 7.1 lbs.
• Power requirement: 110VAC/60Hz
Includes: 22W circuline fluorescent bulb

Part No.	Description	1	5
197456	Magnifying lamp*R*	$89.95	$79.95

3 Diopter Magnifying Lamps

• 5" diameter lens • 45" extension arm
• Supplied w/ 22-watt circuline tube
• Extra strong, all-metal mounting base with electrical outlet
• Metal bulb holder for extra protection
• Power requirement: 110VAC/60Hz
• 3 diopter lens
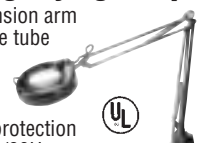
Part No.	Color	Wt. (lbs.)	1	5
100829	Black	7.3	$59.95	$54.95
149981	White	7.3	59.95	54.95

3 Diopter Magnifying Lamp

With Measurement Marking Base

• 30" arm extension
• 7" 3 diopter lens
• Adjustable plastic lens cover
• Weighted base for desktop use
• Bulb type: 4 x 3.4W LED included
• On/off switch

Part No.	Description	Wt. (lbs.)	1	5
2120330	LUX-400*R*	21.0	$129.95	$116.95

Standard Adjustable 3 Diopter Magnifying Lamp

• 4" Diameter lens
• Maneuverable 30" arm extension
• Lamp tilts & turns in any direction
• Uses 60W incandescent bulb (not included)
• Power requirement: 110VAC/60Hz
• 3 diopter lens • Weight: 2.9 lbs.

Part No.	Description	1	5
22710	Magnifying lamp	$26.95	$23.59

★ *Magnifying Lamps — Enter Web Code DAW*

3 Diopter Flexible Neck Magnifier

• 3.5" diameter
• 3 diopter lens
• Flexible gooseneck with workbench clamp
• Arm length: 20"
• Weight: 1.8 lbs.

Part No.	Description	1	5
239548	Flexible neck magnifier	$12.95	$11.49

Test/Tools

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

Glue Gun and Glue Sticks

JAMECO BenchPro

- Adheres to PCBs, cardboard, wires, metal and cloth
- Silicon nozzle
- Electronic heating
- Trigger action
- Utilizes 100mm long gluesticks (2 sticks included) • Size: 7.3"L x 6.3"W

Part No.	Description	1	5	25
72696	Glue gun	$7.95	$7.29	$6.49
78633	Glue sticks (6/pk)	2.95	2.49	1.95

Weller® Light-Duty Battery-Powered Soldering Irons

Battery-powered cordless soldering iron for ultimate portability.

- Over 100 solder joints with new batteries
- Long lasting iron-plated conical tip
- Improved heater performance
- Batteries included

NEW MARKED IN PINK

2196043

Part No.	Mfr. Part No.	Wattage	1	5
2196035	BP650MP	4.5	$15.95	$14.95
2196043	BP865MP	6-8	21.95	19.95

Weller® 18-Watt Pro Series Soldering Iron

- Heats up to working temperature in just 35 seconds
- Up to 900°F temperature
- Co-molded grip for a comfortable feel
- Performance equivalent to a 60-watt iron
- Designed be self-standing, no stand is needed
- Tips use a phono jack and plug for easy tip exchange • UL and CUL listed
- Ideal for hobbies, kits, radios, and electronics

Includes: Charger and WPS10 soldering tip

Part No.	Mfr. Part No.	Description	1	5
2153810	WPS18MP	18-watt iron	$27.95	$26.49
2158637	WPS11	0.03125" chisel tip ...	9.95	8.95
2158629	WPS10	0.03125" conical tip	9.95	8.95

weller 20-Watt Soldering Iron

A high-quality, mains-powered soldering iron for general purposes.

- Power supply: 20W/110VAC
- UL approved
- Cord length: 5 feet
Includes: Iron stand

Part No.	Mfr. Part No.	1	5
2131151	VTS20U	$6.95	$6.39

XYTRONIC 25-Watt Thermally Balanced Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.

- 120VAC; 6' cord • 25-watt power consumption
- Interchangeable tips (pg 137) • UL listed
- Length: 8.0" • One-year warranty
Includes: 1.6mm conical tip

Part No.	Mfr. Part No.	1	5	25
129040	200GX-25W𝓡	$14.95	$13.49	$11.95

★ Soldering Stands — Enter Web Code YAU

NTE MASTER Heat Guns and Strippers ★ Web Code: QAJ Weller® JAMECO BenchPro

All Master® products are made in the US from superior quality materials and the finest craftsmanship. Heat guns are ideally suited for drying, heating, welding, shrinking, soldering, desoldering, and many other applications where heat is required.

2117413 254925 76865

2076578 : • CFM selectable • Weight: 1.0 lb.
• Includes 4 attachments & case
2076501 : • No-slip adjustable stand
• Weight: 4.0 lbs.
191943 : • 3-pos. switch (hot/off/cool)

2076578 2076501 191943 2007062

Part No.	Mfr.	Product No.	Description	Watts	Heat Setting (°F)	Temp. (°F max.)	1	5
2117413	NTE	HG300-D𝓡	Mini heat gun	350	482-662	662	$21.95	$20.95
254925	BenchPro	1001A𝓡	Economical heat gun	1200	600 & 1000	1000	39.95	35.95
76865	BenchPro	G1HG1	Heat gun/stripper	1500	600 & 1100	1100	49.95	44.95
2076578	Master	EC-100K𝓡	Economical heat gun (7 & 9 CFM)	1200	500 & 1000	1000	54.95	49.95
2076501	Master	HG-501A𝓡	Industrial heat gun (23 CFM)	1680	750	750	149.95	139.95
191943	Weller	6996C𝓡	Industrial heat gun	250	750-800	800	142.95	134.95
2007062	BenchPro	1004𝓡	Accessory kit for 254925	—	—	—	11.95	10.95

weller Butane Powered Cordless Soldering Iron

- Built-in on-off switch
- Can be used as a torch or hot blower • Length: 8.5"
- Maximum temperature: 450°C (842°F)

Part No.	Description	1	5
645520	Butane soldering iron	$29.95	$26.95
2097491	5 oz. butane gas refill	6.95	5.95

XYTRONIC 16 to 30-Watt Variable Soldering Iron & Stand

116572: Length: 7.5"
36329: • Black anodized steelbase – 5.3"L x 3.3"W
- See below for replacement sponge (P/N 134631)
- Fits most soldering irons .85" dia.
Includes: Sponge

116572 134631 36329

Part No.	Description	1	5	25
116572	258VL soldering iron𝓡	$19.95	$17.95	$15.95
36329	Soldering stand𝓡	5.95	5.39	4.79
134631	Sponge (for P/N 36329)	2.95	2.59	2.29

XYTRONIC 35-Watt SMD Tweezer Iron

- **Max. temp.:** 760°F 168410
- 120VAC input
- Max. efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Heater power consumption: 35W ea.
Includes: 0.078" tip 168583

Part No.	Description	1	5	25
168410	Tweezer iron𝓡	$54.95	$49.95	$44.95
168583	Tip .078"𝓡	10.95	9.95	8.95
168591	Tip .590"𝓡	10.95	9.95	8.95

Weller® LED Soldering Irons

- 3 high-temperature LEDs with 25 lumen light intensity
- Each iron includes soldering aid tool, tip, and user's manual
- **2174901/2174928** includes soldering aid tool, lead-free solder, and 2 spare soldering tips
- Cord strain relief for extended life
- Durable cable with 5-foot reach

Part No.	Mfr. Part No.	Description	1	5
2174899	SP15NUS𝓡	15W soldering iron	$16.95	$14.95
2174901	SP25NKUS𝓡	25W soldering iron kit	19.95	18.95
2174936	SP40NUS𝓡	40W soldering iron	19.95	18.95
2174928	SP40NKUS𝓡	40W soldering iron kit	24.95	23.95
2174944	SP80NUS𝓡	80W soldering iron	27.95	26.49

LED Illumination

XYTRONIC 40 & 60W High-Performance, Economical Soldering Irons

- Iron length: 9"
- 120VAC; 6' cord with 3-prong plug
- High-performance double-wound nichrome heating element
- Flexible, burn-resistant silicon cable

Part No.	Description	1	5	25
224602	40W soldering iron𝓡	$13.95	$12.95	$11.95
195223	60W soldering iron𝓡	12.95	11.49	10.49
226018	Conical tip for P/N 224602𝓡	2.95	2.75	2.49

Weller® 25 & 35-Watt High-Quality Soldering Irons

- 120VAC @ 60Hz
- Interchangeable heater elements
- Lightweight handle with cushioned grip 170587
- Quick change knurled collar • Length: 9"
Includes: Power cord & ST3 tip (pg 135)

Part No.	Mfr. Part No.	Description	1	5
170587	WP25𝓡	25W solder iron ..	$42.95	$38.95
192102	WP35𝓡	35W solder iron	51.95	49.95
146608	ST1𝓡	Screwdriver tip 1/16"	5.95	4.95
146616	ST3𝓡	Screwdriver tip 1/8"	5.95	4.95
192145	ST6𝓡	Screwdriver tip .031"	5.95	4.95
146624	ST7𝓡	Conical tip 1/32"	5.95	4.95

XYTRONIC 60-Watt Replacement Soldering Iron

- Compatible with the following XYtronic soldering stations: 168-3C, 168-3CD, 9-60A and 9-60D.

Part No.	Mfr. Part No.	1	5
2144649	XY-207ESD𝓡	$39.95	$35.95

★ Soldering Irons — Enter Web Code QAS

Test/Tools

Weller® 100-Watt Soldering Iron

- "Closed loop" method of controlling max. tip temperature
- Nominal heat-up time with 700˚F tip is 110 seconds • Length: 6"
- 120VAC @ 60Hz input • Weight: 0.7 lbs.

192081

Includes: CT6F7 (0.375" screwdriver tip; 700˚F)

Part No.	Mfr. Part No.	Description	1	5
192081	W100PG℞	Solder iron	$59.95	$56.95
192090	CT6F7℞	.375" screwdriver tip ..	6.95	6.29

Weller® 25 to 125-Watt Cordless Soldering Iron Kit

- Self-igniting & instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting
- Use with butane refill (P/N 2097491, pg 134)

Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Mfr. Part No.	1	5
152207	PSI-100K℞	$99.95	$89.95

Weller® Dual Setting Battery Powered Soldering Iron

- Heats to working temperature in less than 15 seconds
- White LED light illuminates working surface
- Dual heat settings: 8 watts on low setting (850˚F) or 11 watts on high setting (950˚F)
- Co-molded grip for comfort grip and protective safety cap turns off power when placed on tool
- Over 150 intermittent solder joints with fresh batteries

Includes: Iron, tip, 4 "AA" batteries, lead free solder, and tip removal wrench

Part No.	Mfr. Part No.	1	5
1943060	BP860MP	$23.95	$19.95

JAMECO ValuePro 30 to 100-Watt Soldering Kit

Includes: 30W soldering iron
- 100W soldering gun w/ extra tip
- Manual desoldering pump
- Mini third-hand board/ component holder • Lead solder
- Soldering aid tool • Size: 13.8"L x 11"W x 3"H

Part No.	Product No.	Wt. (lbs.)	1	5
684596	GSR-600A	4.0	$39.95	$35.95

WAHL® 25-Watt Cordless Soldering Iron

IsoTip® Power Pro Model #7904
- **900˚F tip temperature**
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron • Weight: 1.1 lbs.

Includes: Iron, charging stand, battery pack and tips

Part No.	Description	1	5
132783	Power Pro cordless iron	$74.95	$69.95

★ *Soldering Irons — Enter Web Code QAS*

Weller® 40-Watt Soldering Station

- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temperature is electronically controlled from 350° to 850°F
- Illuminated on/off switch • Light weight pencil iron
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.

Includes: ST3 1/8" screwdriver tip and manual

Part No.	Mfr. Part No.	1	5
146595	WLC100℞	$54.95	$49.95

Weller® Soldering Tips

ST Series: Replacement tips for WLC100, WP25, WP30, WP35 soldering irons and stations. Precision ground copper tips plated with iron, nickel and chromium

★ Web Code: NAB

ET Series: Replacement tips for PES51 soldering pencil (P/N 2082847). Contains a sensor hole in base of tip fitted with a stainless steel liner

MT Series: Replacement tips for SP23 and SP23D soldering irons. Solid copper tips, nickel-plated and tinned

146608

146616 **146624** **2137983**

16774 **16782** **16803**

2137991 **16811** **2138003**

Part No.	Mfr. P/N	Description	1	5
192145	ST6℞	Screwdriver tip 1/32" ...	$5.95	$4.95
146608	ST1℞	Screwdriver tip 1/16"	5.95	4.95
2137975	ST2℞	Screwdriver tip 1/10"	4.95	3.95
146616	ST3℞	Screwdriver tip 1/8"	5.95	4.95
146624	ST7℞	Conical tip 1/32"	5.95	4.95
2137983	ST5℞	Single flat tip 1/32"	4.95	3.95
16774	ETA℞	Screwdriver tip 1/16"	6.95	6.29
2138020	ETH℞	Screwdriver tip 1/32"	6.95	5.95
16782	ETJ℞	Long screwdriver tip 1/32"	6.95	6.29
16803	ETR℞	Narrow screwdriver tip 1/16"	6.95	5.95
2137991	ETP℞	Conical tip 1/32"	6.95	5.95
16811	ETS℞	Long conical tip 1/64"....	6.95	6.29
2138011	ETO℞	Long conical tip 1/32"	6.95	5.95
2138003	MT1℞	Cone-shape tip 1/8"	7.95	6.95

Weller® Soldering Tip Care

2184536 **2188043**

Part No.	Mfr. Part No.	Description	Price
2184536	WBP1℞	Polishing bar	$11.95
2188043	51303199℞	Tip tinner & activator, 1.5 oz ...	11.95

velleman 50W Soldering Station

- Manual temperature setting
- Electronic temperature control
- Power-on LED indication
- Input voltage: 115VAC
- Input power: 50VA max.
- Temp. range: 374°F to 896°F (2130626); 302˚F to 842˚F (2196801)
- Size: 7.3" x 4.0" x 3.5" • Weight: 1.6 lbs.

Includes: AC cord, iron stand and sponge

NEW MARKED IN PINK

Part No.	Mfr. Part No.	Description	1	5
2196801	VTSS4NU℞	48W station	$22.95	$21.49
2130626	VTSS5U	50W station	29.95	24.95
2174864	BITS5℞	Conical tip	1.95	1.75

Weller® 60-Watt ESD-Safe Soldering Station

- Temperature controllable: 600°F, 700°F, or 800°F
- Closed-loop method of controlling maximum tip temperature to protect sensitive components
- Ferromagnetic temperature sensor, no adjustments necessary
- Quick disconnect plug for soldering iron and lighted on/off switch
- Impact-resistant plastic power unit
- Input: 120VAC @ 60Hz
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

Includes: Power unit, soldering pencil with PTA7 tip (below), stand and sponge

Part No.	Mfr. P/N	Description	1	5
170552	WTCPT℞	Solder station	$175.95	$164.95
192161	TC201T℞	Replacement iron	89.95	84.95
192188	PTA7℞	Screwdriver tip 700˚F	3.95	3.49

★ *Soldering/Desoldering Stations — Enter Web Code GEJ*

★ *Soldering Tips & Sponges — Enter Web Code NAB*

XYTRONIC 60 & 80W Lead-Free Digital Soldering Stations

Grounded Soldering Tip

2174733

- 150°C to 480°C (302°F to 896°F)
- Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100MΩ
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 4.1"L x 3.5"W x 3.5"H • Weight: 2.5 lbs.

Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

156814: Sharp conical chisel tip
156822: Conical chisel tip

NEW MARKED IN PINK

Part No.	Mfr. Part No.	Description	1	5
2174733	LF-389D℞	60W station	$54.95	$49.95
2193782	LF-399D℞	80W station	59.95	54.95

Part No.	Mfr. Part No.	Description	1	10
156814	XYB01℞	1/32" tip	$4.95	$4.49
156822	XYB04℞	1/16" tip	4.95	4.49
134631	SP715	Sponge	2.95	2.59

Weller® 50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity • Temp. accuracy: ±9˚F
- Temperature range: 350˚F to 850˚F • ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

233533

Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

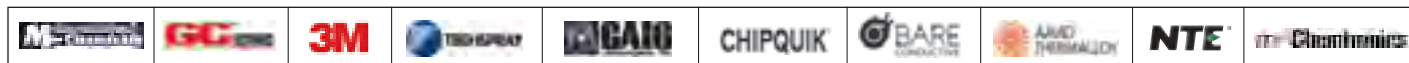| Part No.	Mfr. Part No.	Description	1	5
217461	WES51℞	Analog	$126.95	$119.95
233533	WESD51℞	Digital	179.95	169.95
2082847	PES51℞	Soldering iron	42.95	39.95
2082783	WCC104℞	Replacement sponge ..	2.95	2.59

Test/Tools

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

70 & 80-Watt Lead-Free Soldering Stations

- Input: 110-120VAC @ 60Hz
- Soldering iron assembly
- Adjustable knob for temperature setting
- Weight: 5.3 lbs.

1950711

Includes: soldering station, soldering stand with cleaning pad, soldering iron and manual

1950711: Analog 70-Watt • Size: 8"L x 5.2"W x 3.8"H
- With nichrome heating element & K-type thermocouple sensor
- LED to indicate power (green), heater on (red)
- Temp. acc.: ±3°C • Uses model 209 soldering iron
- Temp. range: 200°C to 450°C (329°F to 842°F)

2099180: Digital 80-Watt
- Temp. accuracy: ±3°C • Size: 4.2"W x 3.6"H x 5.0"D
- Temp range: 200°C to 480°C (392°F to 896°F)
- Uses 108ESD soldering iron assembly • ESD safe

Part No.	Mfr. Part No.	Description	1	5
1950711	169ℛ	Analog	$84.95	$79.95
2099180	LF-1600ℛ	Digital	89.95	79.95

80-Watt High-Power Stained Glass Soldering Station

- 100-120VAC @ 60Hz
- On/off switch with "power on" indicator light
- Temperature range: 482-923°F (250-500°C)
- Variable power control
- Safety guard iron holder • Cushioned foam grip

Includes: 2 solder tips, AC cord, iron stand, metal wool tip cleaner

Part No.	Mfr. Part No.	1	5
2118467	LT-80ℛ	$39.95	$34.95

Weller® 80-Watt Soldering Station

- 120V @ 60Hz
- Lighted on/off switch
- Adjustable power from 5 to 80 watts
- Temperature: 350°F to 900°F
- Size: 5.5"L x 4.5"W x 3.5"H
- Weight: 2.1 lbs.

2082775

Includes: MTG20 3/8" chisel tip, iron stand, sponge, AC cord and manual

Part No.	Mfr. Part No.	Description	1	5
2082775	WLC200ℛ	Soldering station	$69.95	$65.95
2082821	MTG22ℛ	3/8" cone tip	12.95	11.95
2082783	WCC104ℛ	Sponge	2.95	2.59

Weller® 85-Watt Digital Lead-Free Soldering Station

- New WP80 soldering pencil with short tip-to-grip (52mm)
- Barrel can be exchanged with optional longer version to work at standard length (65mm)
- Unique silver heater allows fast, efficient soldering
- Uses WP80 soldering pencil and WDH10 soldering stand
- Size: 15.4"L x 10.2"W x 5.2"H • Weight: 8.2 lbs.

Includes: LTB tip, iron stand, sponge and AC cord

Part No.	Mfr. Part No.	1	5
684772	WD1002ℛ	$346.95	$329.95

90 & 120-Watt ESD Safe, Digital Lead-Free Soldering Station

- Input: 220-240VAC @ 50Hz, 100-120VAC @ 60Hz
- 0-volt. switching circuitry
- Precise temp. regulation
- Heater/sensor failure detection
- PTC sensor for quick heat-up time
- Temperature range:
  2143970: 100°C to 500°C (212°F to 932°F);
  2181503: 200°C to 500°C (392°F to 932°F)
- Temp lock out feature, password protected
- High-quality sensor and heat transfer technology
- Aluminum housing • Size: 4.4"W x 6.2"H x 5.4"D

Includes: Separate iron holder with brass tip cleaner, soldering tip and AC cord

Part No.	Mfr. Part No.	Wattage	1	5
2143970	LF-3000ℛ	90W	$119.95	$109.95
2181503	LF-3200ℛ	120W	134.95	124.95

Replacement Sponges for Legacy Model Soldering Stations

134640: For 138-3
134631: For XY-60D, XY-379 & XYT379-C

236460

Part No.	Mfr. Part No.	Size (in.)	1	5	25
134640	SP815ℛ	1.8 x 1.8	$2.95	$2.59	$2.39
134631	SP715	1.7 x 2.1	2.95	2.59	2.29
236460	SP715	1.7 x 2.1	2.95	2.59	2.29

6-Watt Portable USB Soldering Iron

- Professional grade soldering tip
- Achieves max. temp. of 896°F/480°C via 9V battery or USB connection
- Rating: 5V @ 800mA
- Built-in ultra bright LED light
- Heats up in just 20 seconds
- Perfect for soldering SMD components
- Energy-efficient, only consumes approx. 5W
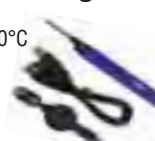
Includes: 9V battery adapter, USB cable Y-adapter and sponge

Part No.	Mfr. Part No.	Size	1	5
2173618	MSD-086	5.8"L x 0.6"W	$19.95	$17.95

CHIPQUIK® SMD Removal Kit

- Potential damage to printed circuit boards is eliminated
- 2.5' of CHIPQUIK® material removes 1250-1500 SMD pins

Includes: 2.5 feet removal alloy material, 1cc syringe rework paste flux, alcohol pads for cleaning and complete instructions
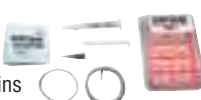
Part No.	Description	1	5
141305	SMD removal kit	$15.95	$14.49

HAKKO 70-Watt Digital ESD-Safe Soldering Station

- Adjustable temperature control
- Temp. range: 122°F to 896°F (50°C to 480°C)
- Ceramic heating element and sensor ensures rapid heat-up temperature and fast thermal recovery
- Password protected temperature setting

NEW MARKED IN PINK
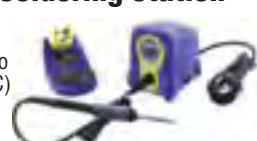
Includes: iron stand, brass wool cleaner, sponge, AC cord, conical tip

Part No.	Mfr. Part No.	1	5
2174611	FX888D-29BY/P	$119.95	$114.95

80-Watt Lead-Free Desoldering Station

- Input voltage: 100-120VAC @ 60Hz
- Heater: 32V, 80W
- Adjustable temperature without changing tips
- Tip temperature accurate to ±3°C (6°F)
- Temperature range: 300°C to 450°C (572°F to 842°F)
- Size: 7.9"W x 9.3"D x 4.5"H • Weight: 13 lbs.

Includes: DIA80 desoldering iron, 2 soldering stands, foam filters, & cleaning brush

Part No.	Mfr. Part No.	1	5
1919094	LF-6000ℛ	$299.95	$284.95

100-Watt Soldering & Desoldering Station with Fume Extractor

- Input voltage: 110-120VAC @ 60Hz
- Soldering iron: 32VAC/100W 150°C to 480°C (302°F to 896°F)
- Desoldering iron: 32VAC/100W 300°C to 450°C (572°F to 842°F)
- Heater and sensor failed detection and temp. lockout features • Digital temp. readout
- Size: 4.2"W x 3.6"D x 5.0"H • Weight: 28 lbs.

Includes: 307A soldering iron, DIA100 desoldering iron, soldering stands, fume extractor, AX205 micro cutting pliers, 5-piece high precison tweezers, filter and cleaning accessories, AC power cord and manual

Part No.	Description	1	5
2099198	LF-8800 stationℛ	$399.95	$379.95
2095509	Desolder tip 1.2mmℛ	7.95	6.95
2095517	Desolder tip 1.5mmℛ	7.95	6.95

200-Watt 2-Ch Soldering Station

- Digital read-out display
- Password protection
- Heater/sensor failure detection
- Aluminum alloy, EMI protected housing
- 100W power per channel
- Temperature range of each channel: 212°F to 896°F (100°C to 480°C)

Includes: 2 irons, 2 tips, 2 iron stands with brass cleaners, user's manual

NEW MARKED IN PINK

Part No.	Mfr. Part No.	1	5
2205894	LF-5200	$269.95	$249.95

700-Watt Lead-Free Multi-Function Surface Mount Rework Station

- 3-in-1 design: soldering, desoldering, hot air
- Heater/sensor failure detection
- Auto cooling design
- Temp. range: 212°F to 896°

Includes: AC cord, 5-piece tweezers, replacement heating element, cleaning element, 4-piece nozzle set, iron/hot air gun holders, and IC popper

Part No.	Mfr. Part No.	1	5
2144577	LF-855Dℛ	$299.95	$279.95

80-Watt SMD Rework Stations

2120541

2099219

- Thermocouple sensor for stable temp.
- Rapid heat-up and recovery

2120541: • Size: 7.4"L x 5.0"W x 3.3"H • Wt.: 2.6 lbs.
• Adjustable temperature: 482-842°F (250-450°C)
2099219: • Size: 8.8"L x 6.0"W x 4.5"H • Wt.: 6.8 lbs.
• Adjustable temperature: 392-896°F (200-480°C)

Includes: Base power unit, sponge, stand, surface mount tweezer iron and stand for tweezers

Part No.	Description	1	5
2120541	SMD rework tweezer station℞	$59.95	$54.95
2099219	Soldering & tweezer combo station℞	139.95	129.95
168583	SMD tweezer tip (0.078")℞	10.95	9.95
168591	SMD tweezer tip (0.59")℞	10.95	9.95
156814	SMD conical tip (1/32")℞	4.95	4.49

30-Watt Solder Tool Kit

Includes: Soldering iron with stand, long nose pliers, wire strippers, side cutters & sponge
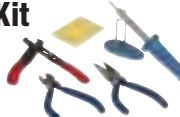
Part No.	Description	1	5
358598	7-piece tool soldering kit	$15.95	$14.95

6-Piece Solder Aid Tool Kit

JAMECO BenchPro

Includes: Various tips: chip holder, spacer, reamer, lever, needle, knife, fork shaft, hook and brush

Part No.	Cross Ref. No.	1	5
2096000	GSR-107	$6.95	$6.25

600 & 1000-Watt Lead-Free Hot Air SMD Rework Stations

2128032

2174741

2174709

- Incorporates the largest pump in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Automatic cooling mode protects the heating element
- Adjustable air-flow: 2128032: 1.5-40L/min; 2174741: 1.5-7.L/min.
- Nichrome heating element
- Power supply: 100-120VAC @ 60Hz or 220-240VAC @ 50Hz
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Hot air temp. range: 100°C - 480°C (212°F - 896°F)
- Temp lock-out feature, password protected
- Sensor/pump failure detection
- Static-free circuit design • 25W diaphragm pump
- Size: 7.3"W x 5.3"H x 9.6"D • Weight: 10.8 lbs.

2128032 includes: Extra 600W heater, 4 focus hood tips, 5 stainless steel anti-magnetic tweezers, IC popper for IC extraction

2174741 includes: 2 focus hood tips, 5 stainless steel anti-magnetic tweezers, IC extractor

Part No.	Mfr. P/N	Description	1	5
2128032	LF-852D℞	600W station	$225.95	$199.95
2174741	LF-852D-II℞	1000W station	249.95	229.95
2174709	A1126B℞	14mm² QFP nozzle	34.95	31.95
2174717	A1135B℞	17mm² PLCC nozzle	34.95	31.95
2174725	A1260B℞	18x8.6mm SOP nozzle	34.95	31.95

900-Watt Lead-Free, ESD-Safe Soldering Rework Station

- 3-in-1 design: soldering, desoldering, and hot air station
- 2 LED displays
- Temperature and air pressure settings
- Temperature-lock feature
- Heater and sensor failure detection
- Input voltage: 100-120/220-240VAC @ 60Hz/50Hz
- Soldering iron temperature range: 302°F - 896°F
- Desoldering iron temperature range: 572°F - 842°F
- Hot Air temperature range: 212°F - 896°F
- Fume extractor air volume: 95/115 CFM
- Weight: 26.5 lbs.

Includes: Soldering iron, desoldering iron, hot-air iron, fume extractor, extra heating element, 2 soldering iron stands, 4 hood tips and 5 tweezers

Part No.	Mfr. Part No.	1	5
2128041	LF-853D℞	$599.95	$549.95

★ *SMD Rework Stations — Enter Web Code NAT*

Heat Sink & Soldering Aid Kit

JAMECO BenchPro

100378

100503

100378: Heat sink absorbs and dissipates heat during soldering & desoldering of sensitive parts
100503 Includes: Soldering wick, 3 pc. scraper set, acid brush, clip-on heat sink and empty squirt bottle

Part No.	Description	1	10	25
100378	Clip-on heat sink	$1.49	$1.25	$.99
100503	7-piece soldering kit	7.95	7.49	6.95

Tips & Replacement Parts for XYtronic Soldering and Desoldering Products

★ *Web Code: NAB*

35318 **35326** **35078** **35334** **35115** **35238** **207335** **207351** **156814**

207327 **156822** **207298** **127642** **2095509** **2095517** **2135136** **2135144** **2135152** **2144171** **2144163** **2144180** **2144155**

Part No.	Mfr. P/N	Description	169, 259VL, JS125*	379-C, 389D, LF-1600	136ESD, 379	200GX, XY960A, AESD, DESD, 168-3C	168-*, 200PHG, 168-3C	960D*	968	999S1A*	LF-8000, 1690	LF-1000, LF-6000, LF-7000	L307A, LF-2000, LF-8600	LF-8650, LF-3000, LF-3200	1	10	25
35318	XY48℞	Assembly - 60W w/ nichrome heater				✓				✓					$29.95	$27.95	$25.95
35326	XY401℞	Soldering tip - conical bevel 1/32"	✓		✓	✓			✓	✓					4.95	4.49	3.95
35078	XY402℞	Soldering tip - semi-chisel 1/32"	✓		✓	✓			✓	✓					4.49	3.95	3.59
35334	XY403℞	Soldering tip - conical sharp 1/64"	✓		✓	✓			✓	✓					4.49	3.95	3.59
35115	XY404℞	Soldering tip - conical chisel 1/16"	✓		✓	✓			✓	✓					4.49	3.95	3.59
35238	XY405℞	Soldering tip - semi-chisel wide 1/8"	✓		✓	✓			✓	✓					4.49	3.95	2.95
207335	XY406℞	Soldering tip - long conical chisel 3/64"	✓			✓	✓		✓	✓					3.95	3.49	2.95
207351	XY410℞	Soldering tip - chisel 3/16"	✓			✓	✓		✓	✓					4.49	3.95	3.59
156814	XYB01℞	Soldering tip - sharp conical chisel 1/32"		✓											4.95	4.49	3.95
207327	XYB03℞	Soldering tip - conical sharp 1/64"		✓											5.95	5.49	4.95
156822	XYB04℞	Soldering tip - conical sharp 1/16"		✓											4.95	4.49	3.95
207298	XYB05℞	Soldering tip - semi-wide chisel 1/8"		✓											4.95	3.95	3.59
127642	XYD12℞	Desoldering tip - 1.2mm (.0472")				✓	✓	✓		✓					6.95	5.95	4.95
2095509	XY12℞	Desoldering tip - 1.2mm (.0472")							✓						7.95	6.95	5.95
2095517	XY15℞	Desoldering tip - 1.5mm (.0586")					✓	✓	✓						7.95	6.95	5.95
2135136	44-710654℞	Soldering tip - conical 0.2mm (.007")									✓				4.49	3.95	3.49
2135144	44-710657℞	Soldering tip - 45° flat hoof									✓				4.95	3.95	3.59
2135152	44-710662℞	Soldering tip - chisel 2.4mm (.094")									✓				3.95	3.49	2.95
2144171	44-413081℞	Soldering tip - conical 0.5mm										✓			3.95	3.49	2.95
2144163	44-413072℞	Soldering tip - semi-chisel 0.8mm										✓			3.95	3.49	2.95
2144180	44-413071℞	Soldering tip - semi-chisel wide 3.2mm										✓			4.95	4.49	3.95
2144155	44-413069℞	Soldering tip - flat 1.6mm										✓			3.95	3.49	2.95

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

Test/Tools

3 LEVELS OF SAVINGS
| NAME BRANDS | HOUSE BRANDS | SPECIAL BUY |

Electric & Manual Desolder Pumps

- Easily disassembles for cleaning
- Replacement tips available

2168261

19166

1942139

2168261: • UL listed
- One-hand operation
- Size: 10.5"L x 1.0"Dia.

19166: Size: 7.8"L x 0.8"Dia.

1942139: Size: 13.3"L x 1.0"Dia.

★ Web Code: FXC

Part No.	Description	1	5
2168261	Electric desolder pump ℛ	$26.95	$23.95
2131021	Vacuum desolder pump	11.95	10.95
1942139	Manual desolder pump ℛ	8.95	7.95
19166	Manual desolder pump	8.95	7.95
2168270	1 tips for 2168261 ℛ	5.95	5.49
2158776	1 tip for 2131021	2.95	2.49
2146610	1 tip for 1942139	1.95	1.69
22091	2 tips for 19166	5.95	5.39

11-Piece Soldering Aid Tool Kit

This kit combines all the tools you need in order to begin soldering.

Kit includes:
- Tool case
- 30-watt UL listed soldering iron
- Soldering iron stand
- Heat sink clamp • Solder • Pliers
- Small slotted screwdriver with stripper
- Medium slotted screwdriver • Soldering tool
- Medium philips screwdriver • Diagonal cutters

Part No.	Cross Ref. No.	1	5
2132322	GTK-059A	$19.95	$18.95

JAMECO BenchPro Heavy Duty Solder Stand

- Heavy hardened steel base
- Sturdy screw-on iron holder
- Weight: 1.1 lbs.

Includes: Cleaning sponge

Part No.	Size (L x W x H)	1	5	25
2157651	4.0" x 3.0" x 6.5"	$10.95	$9.95	$8.95

JAMECO BenchPro Solder Spool & Iron Stand

- 4 pc. spool stand (some assembly required)
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6"

Solder not included

Part No.	Size (L x W x H)	Wt. (lbs.)	1	5
169551	6.0" x 3.5" x 3.1"	2.0	$11.95	$10.95

★ Soldering Stands — Enter Web Code YAU

JAMECO BenchPro Solder Spool Stand

- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft diameter: 0.6"

Solder not included

Part No.	Description	Wt. (lbs.)	1	5	25
141761	Solder stand ℛ	1.6	$12.95	$11.49	$9.95

Soldering Tip Cleaner with Stand

- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability

156777

Part No.	Description	Wt. (lbs.)	1	5	25
156777	Tip cleaner & stand ℛ	0.5	$6.95	$6.39	$5.79
160004	Metal wool replacement ℛ	0.1	2.95	2.59	2.29

SUN 150-Watt Solder Pot

- On-off switch on handle
- Input voltage: 120VAC
- Maintains pot temp. of 450°C to 480°C (842°F to 896°F)
- 3-conductor power cord: 5' long
- Pot size: 30mm deep x 35mm Dia.

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
2115418	RD-7339	1.2	$49.95	$44.95

JAMECO BenchPro 300-Watt Solder Pot

Temperature Regulated Between 420°C and 450°C

- 2 conductor power cord: 5' 9" long
- Holds up to 2.2 lbs. of solder bars recommend P/N 176057, pg 139
- Input voltage: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base)
- Size: (tub) 2.4"Dia. x 1.6"D • One-year warranty

Part No.	Description	Wt. (lbs.)	1	5
1951625	300W solder pot ℛ	5.9	$89.95	$79.95

JAMECO BenchPro 600-Watt Solder Pot

Temperature Adjustable

- 2-wire power cord (5' 5")
- Temperature: 0°C to 500°C
- Self-regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 5.5 lbs. of solder bars pg 139
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D

Includes: Skimmer and removable dross tray

Part No.	Description	Wt. (lbs.)	1	5
172276	600W solder pot ℛ	7.4	$249.95	$225.95

JAMECO BenchPro 2000-Watt Solder Pot

- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 57.3 lbs. of solder bar pg 139
- 3 conductor pigtail power cord: 5'L
- Input voltage: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- One-year warranty

Power cord not included (recommend P/N 37997, pg 105)

Part No.	Description	Wt. (lbs.)	1	5
149876	2000W solder pot	23.1	$329.95	$299.95

★ Solder Pots — Enter Web Code HAW

velleman Magnifier Third Hands

- Great for when two hands aren't enough
- 2 adjustable clamps for easy board hold
- 3.5" diopter 4 (2x magnification)

NEW MARKED IN PINK

2196756: With iron stand, 2 LEDs & mini diopter 20 (6x magnification)

2196756

Part No.	Mfr. Part No.	Size (in.)	1	5
2196756	VTHH3 ℛ	8.3 x 6.7 x 4.3	$21.95	$19.95
2196764	VTHH4 ℛ	5.3 x 6.9 x 4.7	14.95	13.49

Deluxe Soldering Iron Stand

- Holds all the essentials in one unit
- Solder roll & soldering iron holders
- Cleaning sponge holder
- Handle for easy carrying
- Solder not included

velleman

NEW MARKED IN PINK

Part No.	Mfr. Part No.		1	5
2196772	STAND60 ℛ		$13.95	$12.49

XYTRONIC 22-Watt Fume Extractor

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air
- Static ground jack
- Fuse protected
- Noise: 49dB fan
- Air flow: 115 CFM
- 120VAC, 60Hz, 22 watts
- Large surface area with adjustable angles
- Uses 130mm filters
- Size: 7.2"W x 5.4"D x 7.9"H • One-year warranty

Includes: Detachable power cord

Part No.	Description	Wt. (lbs.)	1	5
2171786	Fume extractor ℛ	2.6	$49.95	$45.95
127183	Replace. filters (3/pk) ℛ	0.05	9.95	8.95

JAMECO KitPro Fume Extractor Kit

Everything you need in order to build your very own mini pocket-sized fume extractor.

- Kit includes:
  – Voltage regulator
  – 12VDC fan
  – Slide switch
  – 2 fan guards
  – Replacement filter
  – Heat shrink – Jumper wire
  – Tin enclosure – Two 9V batteries w/ clips
- For step-by-step instructions, visit the workshop center at www.Jameco.com/Fume

Part No.	Description		1	5
2137481	13-pc. fume extractor kit		$24.95	$21.95

XYTRONIC 42-Watt Combo Soldering Station and Fume Extractor

- Power consumption: 42W @ 650°F (soldering iron)
- Adjustable knob for temperature control: 500°F to 800°F
- Stability @ idle: ±9°F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D

Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
183169	456DLX ℛ	5.2	$79.95	$74.95

Weller 20-Watt Fume Extractor

This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quiet fan, it can process up to 1.37 cubic meters of air per minute and its stand is adjustable, allowing it to be set-up in multiple positions.

- Voltage: 120VAC • Sound level: 45-50dB
- Air consumption: 87-107CFM • ESD safe
- Power consumption: 20W • UL/CUL listed
- Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute • Size: 10"L x 6.5"W x 11"H

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
684810	WSA350	4.2	$69.95	$64.95
684828	WSA350F (carbon filter)	0.02	7.95	6.95

★ Fume Extractors — Enter Web Code HAR

Test/Tools

PANAVISE Multi-Purpose Work Center

- Jaws open to 9"
- Double action extra wide self-centering heads allow fast opening and closing; centered weight allows jaws to hold heavier objects; plates can be reversed to close together; reversible jaw pads feature ribbing on one side and a V groove on the other
- Base has three 1/4" countersunk mounting holes
- Overall base diameter is 8.5"

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
684852	350ℛ	5.0	$99.95	$89.95

PANAVISE Electronic Work Center

- Size: 8.5"W x 7.8"H
- One-year warranty

Includes: Circuit board holder, standard base, tray base mount and wire holder

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
27060	324ℛ	5.3	$99.95	$89.95

Rapid Assembly Circuit Board Holder

- 8 positions rotating adjustment, six positive lock positions in the vertical plane and height adjustment for quick board rotation speeds
- Holds circuit boards from 1/8" (3.2mm) to 12" (304.8mm) wide and up to 5/32" (4mm) thick
- Arms move independently
- 10" high (from base to top of vertical shaft)

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
684844	333ℛ	6.4	$89.95	$84.95

PANAVISE Vacuum Base Vise

- Head moves through three planes: 210° tilt, 360° turn and rotation
- Grooved jaws are made of reinforced thermal alloy and open up to 2.9"
- Fine/coarse adjustment
- Base dia.: 3.4"
- Jaw size: 2"H x 1"W
- Height: 7.5"H

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
251791	209	0.8	$35.95	$32.95

PANAVISE Vacuum Base Vises

- Features the patented "split ball" that tilts, turns and rotates through three planes
- Powerful suction pad for quick and easy set-up
- Nylon jaws open 2.25"
- Size: 5.0"L x 4.0"W x 6.3"H
- One-year warranty

262116

Part No.	Mfr.	Product No.	Wt. (lbs.)	1	5
262116	BenchPro	GV-300ℛ	3.3	$39.95	$35.95
27131	PanaVise	M381ℛ	3.3	69.95	63.95

JAMECO BenchPro Third Hand Tools

- Two adjustable arms with alligator clip jaws
- Quick and easy rotation
- Sturdy, heavy base

681002

Part No.	Description	Size	Wt. (lbs.)	1	5
26690	Third hand	2.0"	1.4	$7.95	$6.95
72865	With holder/spongeℛ	2.0"	1.4	10.95	9.95
681002	With holder/sponge	3.5"	1.7	12.95	11.49

★ *Vises — Enter Web Code TAD*

JAMECO ValuePro Solder Bars, Rolls and Pocket Packs

Due to extraordinary price fluctuations, solder prices are subject to change.

Part No.	Manufacturer	Tin	Lead	Silver	Copper	Inches/mm	Weight	Type†	1	10
73576	Kester	60	40	—	—	0.031/0.787	0.5 oz.	2	$3.29	$2.95
32117	Kester	60	40	—	—	0.031/0.787	1.08 lbs.	1	35.95	33.95
2184616	Kester	60	40	—	—	0.062/1.57	1.03 lbs.	1	35.95	33.95
141786	ValuePro	60	40	—	—	0.031/0.787	1.13 lbs.	1	32.95	29.95
176057	ValuePro	60	40	—	—	—	1.1 lbs.	4	29.95	27.95
2188238	Kesterℛ	60	40	—	—	0.093/2.360	1.04 lbs.	1	34.95	29.95
2188220	Kesterℛ	60	40	—	—	0.05/1.27	1.0 lb.	1	33.95	29.95
94570	Kester	60	40	—	—	0.05/1.27	1.3 oz.	2	4.95	4.49
2188959	ValuePro	60	40	—	—	0.125/3.0	5.0 lbs.	1	99.95	89.95
73605	Kester	62	36	2.0	—	0.02/0.508	0.35 oz.	2	3.95	3.59
2177694	ValuePro	63	37	—	—	0.015/0.381	1.0 lb.	1	39.95	34.95
151474	Kester*	63	37	—	—	0.031/0.787	1.0 lb.	1	39.95	34.95
2188246	Kesterℛ	63	37	—	—	0.031/0.787	1.0 lb.	1	34.95	31.95
2158178	Kester	63	37	—	—	0.05/1.27	1.0 lb.	1	34.95	29.95
115433	Kester	63	37	—	—	0.039/0.991	0.14 oz.	3	.99	.89
668262	ValueProℛ	96.3	—	3.2	0.5	0.04/1.02	7.2 oz.	1	39.95	36.95
668297	ValueProℛ	96.3	—	3.2	0.5	0.04/1.02	1.1 lbs.	1	84.95	79.95
2113172	Kesterℛ	96.5	—	3.0	0.5	0.031/0.787	0.43 oz.	2	5.95	5.39
2188254	Kesterℛ	96.5	—	3.0	0.5	0.031/0.787	1.0 lb.	1	109.95	99.95
668271	ValueProℛ	96.5	—	3.5	—	0.04/1.02	9.6 oz.	1	44.95	39.95
170457	ValueProℛ	99.3	—	—	0.7	0.031/0.787	0.8 oz.	2	3.25	2.95
668078	ValueProℛ	99.3	—	—	0.7	0.04/1.02	9.15 oz.	1	26.95	24.95
209075	ValueProℛ	99.3	—	—	0.7	0.031/0.787	1.0 lb.	1	36.95	33.95
2188094	ValueProℛ	99.3	—	—	0.7	—	1.64 lbs.	4	49.95	44.95

*Organic core   †1. Roll 2. Packet 3. Coil 4. 13" Bar

5' Desolder Braids

Part No.	Manufacturer	Product No.	Description	Width (in.)	1	10
2139137	Techspray	1820-5Fℛ	No-Clean, Military & NASA certified	.035	$4.49	$3.95
2188748	Philips	ZW050-5ℛ	Zip wick military & NASA certified	.050	3.95	3.49
124126	Techspray	1815-5Fℛ	No-Clean, Military & NASA certified	.055	4.95	4.49
124118	Techspray	1816-5Fℛ	No-Clean, Military & NASA certified	.075	4.95	4.49
263708	Techspray	1817-5Fℛ	No-Clean, Military & NASA certified	.098	4.95	4.69
2192430	Philips	ZW100-5ℛ	Zip wick military & NASA certified	.100	3.95	3.49
263695	Techspray	1803-5Fℛ	Pro wick, pure rosin	.075	3.95	3.75
263599	Techspray	1804-5Fℛ	Pro wick, pure rosin	.098	3.95	3.75
263581	Techspray	1811-5Fℛ	Pro wick, pure rosin with bobbin	.098	3.59	3.25
41082	ValuePro	GISW20ℛ	Desolder braid	.079	1.95	1.75
41100	ValuePro	GISW25ℛ	Desolder braid	.098	2.19	1.99
153462	ValuePro	GSR104Dℛ	Desolder braid	.120	2.25	1.95
2113130	Chemtronics	60-3-5	Soder-Wick® no clean size 3	0.08	4.95	4.49
2113148	Chemtronics	60-4-5	Soder-Wick® no clean size 4	0.11	5.95	5.39

3M Tape Products

Part No.	Description	Color	Width	Length	Thickness	1	10	50
285587	Vinyl electrical tape, Tartan 1710, UL	Black	.75"	20 yards	.007"	$1.59	$1.45	$1.25
2153764	Vinyl electrical tape, Temflex™ℛ	Black	.75"	20 yards	.007"	1.49	1.35	1.19
285907	Double sided foam tape	White	1.0"	4 yards	.125"	19.95	17.95	15.95
1643551	Embossed copper foil, 1245 tape	Copper	.50"	18 yards	.004"	22.95	21.49	19.95

PANAVISE PV Jr. Vise

- Jaw size: 1" wide x 2" long; opening: 2.8"
- Jaw heat tolerance: 350°F
- Vertical/horizontal jaw grooves
- Fine/course adjusting knob
- Vise height: 6.8"   • Weight: 1.4 lbs.
- Base bolt is 4.3" and fits all PanaVise base mounts

Part No.	Mfr. Part No.	1	5
134439	PVJR 201ℛ	$27.95	$25.95

JAMECO BenchPro 360° Clamp Vise

- Ball cup allows vise to adjust to any angle
- Rubber jaws open 2"
- Size: 10.0"L x 2.5"W

Includes: interchangeable pipe vise attachment

Part No.	Cross Ref.	Wt. (lbs.)	1	5
127167	OR-307	2.1	$19.95	$17.95

141786

2188220

115433

668297

2113172

170457

263708

263695

2113130

285587

285907

Helping Hand with LED Magnifier Lamp

This is perfectly suited for soldering comfortably while keeping one hand free.

- Large lens with 2x magnification
- Small embedded lens to 4x magnification of extremely small parts
- Ring light with 16 LEDs and gooseneck for optimum lighting   • Easily adjustable hinge
- Adjust. third hand w/ 2 alligator clips
- Additional flexible 9.8" (250mm) gripping arm with alligator clip
- Solder wire reel holder
- Soldering iron holder   • Cast-iron base
- Stand size: 7.0"W x 7.0"H

Includes: Power adapter and sponge

Part No.	Description	Wt. (lbs.)	1	5
2168587	Helping handℛ	2.9	$74.95	$69.95

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS — NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Workshop Chemicals & Heat Sink Compounds

Part No.	Manufacturer	Description	Vol. (oz.)	1	10
2120794	MG Chemicals	Adhesive epoxy, high temperature encapsulating and potting compound*	12	$48.95	$45.95
615769	GC Electronics ℛ	Adhesive, sealant, silicon, one part, non corrosive, clear	3	5.95	5.49
2201754	MG Chemicals ℛ	Silver conductive epoxy adhesive, strong water & chemical resistance, two 7g syringes*	0.1§	59.95	49.95
645845	3M ℛ	Super adhesive, household glue #6004*	1	2.95	2.49
263530	Techspray ℛ	Air duster, Envi-Ro-Tech, acusol, 100% HCFC, non-flammable, w/ trigger*	12	17.95	16.95
2094207	Caig/DeoxIT ℛ	Air duster, non-flammable, moisture free, non-ozone depleting, no VOC*	10	9.95	8.95
2112524	ChipQuik ℛ	Cleaner & tinner, soldering tip for pre-tinning & tinning*	8†	9.95	8.95
2094231	Caig/DeoxIT ℛ	Cleaner wash, contact evaporates quickly, safe on plastics*	10	8.95	7.95
2094223	Caig/DeoxIT ℛ	Cleaner, contact quick dry, chemically improves metal electronic connections*	0.5	10.95	9.95
118033	Techspray ℛ	Cleaner, contact, ECONOLINE, CFC free, aerosol can*	13.5	15.95	14.95
195004	Caig/DeoxIT ℛ	Cleaner, contact dioxidizer & preservative, improves electronic connections*	5	16.95	15.95
2094215	Caig/DeoxIT ℛ	Cleaner & conditioner, soldering tip	0.5	8.95	7.95
2178187	Caig/DeoxIT ℛ	Cleaner & conditioner for contacts, chemically improves all metal connections (2 pack)*	0.5§	16.95	15.49
2134686	Caig/DeoxIT ℛ	DN5 contact cleaner & rejuvenator spray, 5% solution, improves conductivity*	5.75	24.95	23.69
2134694	Caig/DeoxIT ℛ	DN5 contact cleaner & rejuvenator pump spray, 25% solution, improves conductivity	5.07	24.95	23.69
616331	GC Electronics	Conductive paint, silver print II*	0.5#	54.95	49.95
2110529	Caig/DeoxIT ℛ	Circuit writer pen, silver based, for drawing & repairing traces, works on rubb.,epoxy,glass,plastic*	5g†	24.95	22.95
2188297	MG Chemicals ℛ	Conductive nickel coating aerosol, reduces EMI/RFI, adheres to ABS & polycarbonates*	12	36.95	34.95
2168464	Bare Conductive	Conductive pen, non-toxic, water-based, water-soluble	0.34	15.95	14.95
2208201	Bare Conductive	Conductive paint jar, non-toxic, water-based, water-soluble	1.7	39.95	34.95
2120559	MG Chemicals	Conformal coating, acrylic lacquer, protects from ESD*	2	13.95	12.49
525851	Chemtronics ℛ	Cotton swabs, double headed, 6" handle, 100-pack	—	5.49	4.95
616411	GC Electronics ℛ	Developer, positive type, concentrate, dilute 9:1*	6	11.95	10.95
616438	GC Electronics	Etching solution, PC board, ferric chloride solution*	32	24.95	22.49
2188262	MG Chemicals ℛ	Ferric chloride copper etchant solution, etches PCBs 175-200 µinch/minute*	33	14.95	13.95
616446	GC Electronics	Etching solution, PC board, ferric chloride solution*	128	44.95	41.95
2201746	MG Chemicals ℛ	Thermally conductive epoxy w/ undiluted Bis F resin, 100% solids, 2-hr working time*	16	44.95	39.95
139934	Techspray ℛ	Freeze spray, Envi-Ro-Tech, circuit chiller, CFC and HFC free*	8	16.95	15.95
2178179	Caig/DeoxIT ℛ	Grease, lithium-based with copper particles to assist in oxide & corrosion breakup	1	10.95	9.95
615355	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	16†	39.95	35.95
236823	ValuePro ℛ	Heat sink compound, silicon based grease	0.35†	4.95	4.49
167249	Aavid Thermalloy ℛ	Heat sink compound, silicon based grease*	2†	8.95	7.95
169252	Techspray ℛ	Heat sink compound, silicon free	4†	29.95	26.95
259151	NTE	Heat sink compound, white gel, thermal grease (5 pack)	1g†	2.49	2.25
615312	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	0.23†	2.95	2.65
615321	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	1†	7.95	7.25
615304	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	16†	29.95	26.95
263572	Techspray ℛ	Isopropyl alcohol, plastic bottle*	16	14.95	13.49
2201762	MG Chemicals ℛ	Liquid rosin flux, fully activated, instant wetting, non-corrosive, non-conductive*	4.2	9.49	8.95
2201771	MG Chemicals ℛ	Liquid rosin flux pen, fully activated, RA type, non-corrosive, non-conductive*	0.34	6.95	6.49
2201738	MG Chemicals ℛ	Protective green coating pen, protects against static discharge, moisture, corrosion*	0.16	9.95	9.49
615806	GC Electronics	Solder flux remover & cleaner II, non ODC*	16	11.95	10.95
118041	Techspray ℛ	Solder flux remover, ECONOLINE, CFC free, aerosol can*	13.5	15.95	14.95
1586015	Chipquik ℛ	Solder flux, tack for rework, no clean, 10cc w/ syringe	0.34	15.95	14.95
481764	Techspray	Solder flux, dispensing pen, No-clean, resin & halide free leaves no residue*	0.38	8.95	7.95
615224	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	2	8.95	7.95
615232	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	16	24.95	22.45
2094258	Caig/DeoxIT ℛ	Solder flux, rosin paste for electronic applications including PCBs*	2	9.95	8.95
2113092	Chemtronics	Solder flux, rosin dispensing pen, for electronic applications including PCBs*	0.32	11.95	10.95
2098208	Chipquik ℛ	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe*	0.34	22.95	20.95
2098224	Chipquik ℛ	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe, water washable*	0.34	24.95	22.95
2098232	Chipquik ℛ	Solder paste, water soluble, 96.5% SN, 3.0% Ag, 0.5% Cu, 10cc syringe	0.34	26.95	25.49
2097441	Chipquik ℛ	Solder paste, 96.5% SN, 3% AG, 0.5% CU, no clean 10cc w/ syringe*	0.34	24.95	23.49

*Shipped via ground to continental U.S. only   #Troy ounces   †Measured by weight   §Weight for each

645845   263530   2094207   2112524

2094231   118033   195004   2094215

616331   2110529   2208201   139934

167249   169252   615321   263572   1586015

481764   615224   2094258   2113092   2098208/2098224

★ *Workshop Chemicals — Enter Web Code YAQ*

★ *Heat Sink Compounds — Enter Web Code YBA*

JAMECO BenchPro — Cleaning Brushes

153322: Metal handle
2157669: Plastic handle   153322

Part No.	Description	Length	1	10	100
153322	Soft bristles ℛ	6"	$.79	$.69	$.49
2157669	Brass bristles	7"	1.95	1.75	1.49

JAMECO BenchPro — Plastic Pump Bottle

- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover
- Color: light blue

Part No.	Cross Ref. No.		1	5	25
158131	450 ℛ		$14.95	$13.49	$11.95

JAMECO BenchPro — Clip-On Heat Sink

- Absorbs and dissipates heat during soldering and desoldering sensitive parts

Part No.	Cross Ref.	Size	1	10	100
159126	HT156	2.7"L x 0.7"W	$2.95	$2.59	$2.29

★ *Cleaning Tools — Enter Web Code CLE*

JAMECO BenchPro — ProtoDough Re-Useable Prototyping Design Plastics NEW

- Create custom molds of any design quickly and easily
- High elongation break points
- Can be drilled, sawed and machined
- Safe for hand molding
- Non-toxic, lightweight and paintable
- 3.5mm pellets
- Melting point temperature: 136°F-140°F

Part No.	Cross Ref. No.	Description	1	5
2208286	Proto Dough-250G	250 gram bag	$14.95	$13.49
2208294	Proto Dough-500G	500 gram bag	24.95	22.95
2208307	Proto Dough-1000G	1000 gram bag	39.95	34.95

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Test/Tools

Solderless Breadboards

★ Web Code: HAC

The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use with Jameco's AC/DC breadboard power supply, P/N 77682 (below).
- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry
- Ideal for high frequency and low noise circuits
- Pins are identified by numbered rows and columns • 0.1" hole spacing
- Components are easily interconnected using 20-28 AWG wire (P/N 19290 & 20080, below)
- One-year warranty

20670 **20758** **20812**

Part No.	Manufacturer	Product No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size (L" x W")	Baseplate Size (L" x W")	Weight (lbs.)	1	10	50	100
94457	ValuePro	JE19𝓡*†	0	2	100	0	6.5 x 0.4	—	0.04	$2.95	$2.49	$2.19	$1.95
2155452	ValuePro	WBP-317	1	0	170	0	1.9 x 1.3	—	0.03	2.95	2.69	2.49	2.19
2109801	Parallax	700-00012𝓡	1	0	170	0	1.8 x 1.4	—	0.03	4.95	4.69	4.49	4.19
2155461	ValuePro	WBP-323	1	2	270	0	2.6 x 1.6	—	0.05	3.95	3.69	3.29	2.95
2125018	BusBoard	BB300𝓡	1	0	300	0	3.3 x 1.4	—	0.04	4.95	4.49	3.95	3.75
2157693	ValuePro	BB-801	1	2	400	0	3.3 x 2.1	—	0.11	4.95	4.49	3.95	3.29
20601	ValuePro	JE21𝓡#	1	2	400	0	3.3 x 2.1	—	0.13	5.95	5.49	4.95	4.49
20670	Wisher	JE22𝓡#	1	0	630	0	6.5 x 1.4	—	0.20	6.95	6.29	5.49	4.95
194299	ValuePro	JE37𝓡	1	2	640	0	6.9 x 2.4	—	0.25	10.95	9.95	8.95	7.95
2157706	ValuePro	BB-102†	1	2	830	0	6.5 x 2.2	—	0.21	6.95	5.95	4.95	4.29
20723	ValuePro	JE23𝓡#	1	2	830	0	6.5 x 2.2	—	0.30	9.95	8.95	7.95	6.95
194272	Wisher	JE34𝓡#	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	19.95	17.95	15.95	13.49
2157714	ValuePro	BB-2T1D	2	1	1,360	2	6.5 x 3.1	8.2 x 4.0	0.68	13.95	12.95	10.95	10.49
20758	ValuePro	JE24𝓡#	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	15.95	14.49	12.95	11.95
20774	ValuePro	JE25𝓡#	2	4	1,660	3	6.5 x 4.4	8.5 x 5.2	0.70	22.95	20.95	18.95	16.95
136901	Wisher	WBU504	2	3	1,855	4	5.3 x 5.6	7.5 x 6.3	0.90	23.95	21.95	19.95	17.95
2157722	ValuePro	BB-3T5D†	3	5	2,390	4	6.9 x 5.8	8.7 x 7.2	1.28	24.95	22.95	19.95	19.49
20791	ValuePro	JE26𝓡#	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	29.95	27.95	24.95	21.95
2157731	ValuePro	BB-4T7D†	4	7	3,220	4	7.3 x 7.5	9.3 x 8.1	1.60	29.95	26.95	23.95	23.49
20812	ValuePro	JE27𝓡#	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	36.95	34.95	31.95	28.95

* Pack of 2   † Interconnect with other † listed above   # Interconnect with other # listed above

Powered Project Breadboards

★ Web Code: XAT

Being confined to a lab bench in order to test your circuit can be a hassle. These breadboards have a built-in power supply, so all you have to do is plug them into the wall outlet and you're ready to go! Adjustable outputs make it easy to provide the right amount of power, and internal protection makes sure that your project is safe.
- Solderless breadboard with 2420 tie points
- Outputs are short-circuit protected
- Power switch with light
- **Includes:** 3-prong power cord

136259:
- Fixed power: +5V @ 1A; variable power: 0 to ±15VDC @ 500mA
- Edge plate for non-DIP size components
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Replacement fuse: P/N 103908, pg 43
- One-year warranty
- Breadboard size: 7.4"L x 6.8"W
- Back panel has ground terminal

1942163:
- Input power: 110VAC or 220VAC @ 50-60Hz (switch selectable)
- Triple output power supply: fixed 5VDC @ 1.5A; 0 to ±16VDC @ 0.5A (adjustable)
- Breadboard size: 6.9"L x 5.8"W
- Grounded case   • Overload protection   • Fuse protection   • Lighted power switch

136259

1942163

Part No.	Description	Overall Size	Wt. (lbs.)	1	5
136259	5VDC @ 1A & ±15VDC @ 0.5A𝓡	9.9"L x 7.8"W x 2.8"H	6.8	$199.95	$179.95
1942163	5VDC @ 1.5A & ±16VDC @ 0.5A	9.8"L x 7.8"W x 3.0"H	5.8	129.95	119.95

AC/DC Power Supply

Output Specifications:
+5VDC @ 1A; -5V @ 300mA fixed;
0 to +15VDC @ 500mA variable;
0 to -15VDC @ 300mA variable;
12-6-0-6-12 tapped VAC,
300mA fixed

International 120/220VAC Switchable

Ideal for Breadboards above

With built-in short circuit protection.
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses
- Just plug in & start to use
- Compact & lightweight
- For both digital and analog circuits
- Compatible with test leads P/N 77842, pg 127
- Size: 7.4"W x 5.5"D x 2.6"H
- Color: beige   • One-year warranty

Part No.	Description	Wt. (lbs.)	1	5
77682	Power supply𝓡	5.5	$169.95	$159.95

Breadboard Pin to Breadboard Pin Test Leads

421315

Part No.	Manufacturer	Description	1	10	50
421315	ValuePro	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 24 AWG wire, 5.9" wire length (150mm)	$10.95	$9.95	$8.95
2150467	Dagu	140-piece jumper wire kit, 100 male-male cables (40mm, 80mm, 120mm), 40 female-female cables (40mm, 80mm), 5 colors	11.95	10.95	9.95
2117106	Schmartboard𝓡	Jumper wire kit (10 pack), each 7" long, 22AWG, color: blue, includes a 40-pin header	6.95	6.49	5.95

Wire Jumper Kits

19290

- 0.1" to 5.0" lengths (14 sizes)
- Clear plastic durable case   • Pre-stripped/preformed
- 22 AWG solid wire jumpers in 10 colors

Part No.	Description	★ Web Code: LAS	1	10	50	100
2127718	70-piece kit, 5 of each length𝓡		$6.95	$6.39	$5.75	$5.25
2096018	140-piece kit, 10 of each length𝓡		9.95	8.95	7.95	6.95
19290	350-piece kit, 25 of each length𝓡		16.95	14.95	12.95	10.95
20080	350 pieces, refill for 19290𝓡		11.95	10.95	8.95	6.95

Reinforced Jumper Wires

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue

★ Web Code: LAS

126342

| Part No.	Cross Ref. No.	Length (mm/inch)	1	10	100
126360	J-50-R𝓡	50/1.97	$5.95	$5.49	$4.95
126342	J-100-R𝓡	100/3.94	5.95	5.39	4.95
126325	J-200-R𝓡	200/7.87	6.95	6.29	5.49

★ For additional products, availability and specifications visit *Jameco.com* and enter the Web Code in the product search box

Electro Design

Enclosures, Component Kits & Digital Labs

Deluxe Electronic Kits
JAMECO ValuePro

2129115 Top   **2129115 Bottom**

2129123 Top   **2129123 Bottom**

2129115: 219 pieces; fuses, battery holders, batteries, potentiometers, loudspeaker, capacitors, resistors, photoresistors, transistors, switches, LEDs, clips, jumper and hookup wires, breadboard, AC adapter, and deluxe carrying case P/N 2129131

2129123: 109 pieces; voltage regulators, relays, diodes, switches, potentiometers, logic chips, DIP sockets, inverters, counters, timers, headers, 3-digit display, numeric keypad, DC power jacks, binding posts, solder tube, heatshrink tubing, printed circuit boards, clips, IC inserter, IC extractor, anti-static wristband, helping-hands, project box, deluxe carrying case P/N 2129131

2129131: Clear flip-top lid w/ 26 built-in compartments, case with 8 interchargeable compartments, snap-lock closure
• Color: black with clear lid
• Size: 15"L x 11.25"W x 3.75"H

★ **Web Code: CKS**

Part No.	Description	1	5
2129115	219 pcs. deluxe kit	$84.95	$74.95
2129123	109 pcs. deluxe kit	94.95	84.95
2129131	Case with 34 compartments	14.95	13.49

Bug Trays

• Tray size: 4.8"L x 3.6"W x 0.5"H
2120372: 5 compartments (4.6"L x 0.58"W x 0.3"H ea.)

2120372

Part No.	Description	1	10	100
2120372	Divided bug tray	$.79	$.69	$.59
2120381	Open bug tray	.79	.69	.59
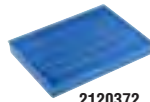
Component Cabinets
JAMECO ValuePro

319611   **319601 Components not included**

319600   **Drawer (319601) Divider (319611)**

319600:
• Drawer can be divided into 3 sections (clear)
• Wall mountable cabinet (ABS black)
• Cabinet size: 6.0"D x 14.7"W x 7.4"H
Includes: 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels
319601 (drawer): 5.5"L x 2.7"W x 1.5"H
319611 (divider): 2.5"W x 1.2"H

Included with every kit on page 32!

2108605:
• Cabinet size: 7.0"D x 17.6"W x 9.8"H
• Counter-top design (ABS blue)
Includes:
14 clear plastic drawers in 3 sizes:
(10) 6.4"L x 3.4"W x 1.5"H,
(3) 6.4"L x 8.8"W x 1.5"H,
(1) 6.4"L x 8.8"W x 3.4"H
and 20 adhesive I.D. labels

2108605

✳ **Order in multiples of 10**

Part No.	Description	1	10	50
319600	20-drawer cabinet ℛ	$19.95	$17.95	$15.95
2108605	14-drawer cabinet ℛ	24.95	22.95	19.95
319601	Drawer for cabinet	.49	.45	.39
319611	Drawer divider for cabinet ℛ ✳	.15		.12

Breadboard Power Supply
ROBOT

This power supply is a very simple pre-assembled board that takes a 6-12V input and outputs a selectable 5V or 3.3V regulated voltage. All headers are 0.1" pitch for simple insertion into a breadboard. It can be powered from a 2.1mm DC power jack or from a USB port. No assembly required.
• Output: 3.3V/5V @ 500mA max.
• Input: 6-12V (power jack) or 5V (USB)
• 0.1" pin spacing perfect for breadboards
• On/Off switch   • Power status LED

Part No.	Size (L" x W")	1	5
2157853	1.7 x 1.2	$6.95	$5.95

Plastic Fliptop Case for SMDs
JAMECO ValuePro

• 128 compartments
• 8 rows x 16 columns grid
• Fliptop openings on each bin
• Padded cover locks bins closed
• Perfect match to store P/N 156882 SMD resistor assortment, pg 40
Includes: Labels for each bin

Part No.	Size (L" x W" x H")	1	10
164267	11.0 x 8.3 x 1.7 ℛ	$49.95	$44.95

Plastic Fliptop Boxes
JAMECO ValuePro

• Clear plastic box with lid
2156164: Bucket style w/ handle
100256/148902: includes removable dividers   **100256**
100256: 18 compartments
148902: 12 compartments

Part No.	Size (L" x W" x H")	1	10	25
2156164	5.2 x 4.5 x 5.0 ℛ*	$5.95	$5.49	$4.95
2156156	7.3 x 6.0 x 1.8 ℛ*	3.95	3.49	2.95
100256	8.4 x 4.5 x 1.4 ℛ	2.95	2.49	1.95
2156172	8.7 x 6.5 x 2.3 ℛ*	6.95	6.49	5.95
148902	10.2 x 4.7 x 1.6	4.95	4.49	3.95
2156181	11.0 x 6.7 x 2.3 ℛ*	7.95	7.49	6.95

* No dividers

★ *Enclosures and Boxes — Enter Web Code UAL*

Resistance & Capacitance Decade Substitution Boxes
EXTECH INSTRUMENTS

Wide-range decade substitution boxes for product design or calibration checks.
• Light durable construction   • Case may be grounded separately   • Weight: 0.7 lbs.
• Three binding posts permit isolated substitutions   • Size: 4.7"W x 5.7"H x 1.4"D

211668: 1% resistance substitution from 1Ω to 11.111110MΩ
• 7 decade ranges of resistance   • 0.3W resistor
• Values can be changed in 1Ω increments

211676:
• 5% capacitance substitution from 100pF to 11.111μF
• 5 decade ranges of capacitance   • 50VDC rating

211668   **211676**

Part No.	Description	1	5
211668	Resistance box	$99.99	$94.95
211676	Capacitance box	129.99	122.95

Digital Design Lab
JAMECO ValuePro

• 1580 tie points
• Fixed power supply: +5VDC @ 1.0A
• Two 7-segment displays (digit height: 0.3")
• Digital voltmeter   • One-year warranty

★ **Web Code: LAJ**

Our most popular digital lab!

Solderless Breadboard
• Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies
• DC supplies equipped with short-circuit protection
• Variable DC power: 0 to ±15V @ 0.3A

Function Generator (6 ranges)   • Sine/triangle wave output: 0-5Vp-p variable
• Frequency ranges: 0.1Hz–2Hz, 1Hz–20Hz, 10Hz–200Hz, 100Hz-2kHz, 1kHz–20kHz, 10kHz –200kHz   • Square wave output: 0-15Vp-p

Universal Counter • 1Hz-100MHz, with 8-digital 7-segment LED display
Includes: Power cord and manual

International 115/220VAC Switchable

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	5
75839	Digital lab ℛ	10.6 x 13.3 x 5.0	8.1	$469.95	$449.95
1952599	Replacement breadboard	4.5 x 6.75 x 0.37	0.5	29.95	26.95

Digital/Analog Design Labs
JAMECO ValuePro

Solderless Breadboard
• 2712 connections; fits AWG #22-30 (0.3-0.8mm)
DC Power Supplies
• Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA
• Variable DC output: 0 to ±15V @ 500mA (P/N 136267) and 0 to ±15V @ 1A (P/N 1919211)
• Input power: 110/220VAC @ 50-60Hz (switchable)
Function Generator (6 Ranges)   • Triangle wave output: 0–5Vp-p variable
• Frequency ranges: 0.1Hz–2Hz, 1Hz–20Hz, 10Hz–200Hz, 100Hz–2kHz, 1kHz–20kHz, 10kHz–200kHz   • Sine wave output: 0–5Vp-p variable

136267

Other Features   • 2.5" dia., 8Ω, 25W speaker   • 2 banana sockets, 2 BNC jacks
• 2 pulse switches (2 sets of outputs: A, Ā, B, B̄)   • 2.5" dia., 8Ω, 25W speaker
• Two 7-segment LED displays (digit height: 0.3")   • 2 banana sockets, 2 BNC jacks
136267:   • 8 data switches   • 8-bit red LEDs   • 100MHz universal counter
• Includes power cord, manual and UC-03 60-pin header
1919211: • 16 data switches   • 16-bit red LEDs
• Includes power cord, manual and jumper wires

★ **Web Code: LAJ**

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	5
136267	Digital/analog lab ℛ	12.8 x 9.8 x 3.7	8.5	$489.95	$459.95
1919211	Digital/analog lab	13.0 x 10.5 x 3.5	9.1	549.95	521.95
319214	Replacement for P/N 136267 ℛ	6.7 x 6.5 x 0.4	0.5	39.95	35.95

Electro Design

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.
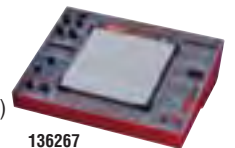
Metal and Plastic Enclosures

JAMECO ValuePro | RAMOND INDUSTRIES

The prototype builder boards on pg 144 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware (P/N 106551) listed on pg 144.

Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

★ *Web Code: UAL*

18922 18914 18893 11886 208911

105100* 105129* 105153* 105137* 206579*
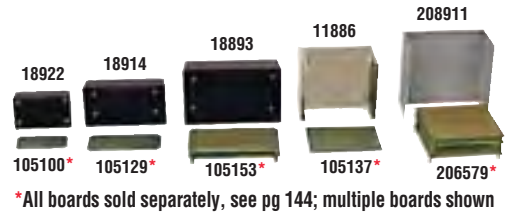
*All boards sold separately, see pg 144; multiple boards shown

ABS Plastic Enclosures

Lid for precision fit (adds 0.4" height). Complete with four screws and lid. All sizes below are interior dimensions.

18914

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18922	H2855𝓡	3.1" x 2.0" x 0.9"	$3.49	$3.19	$2.89	$2.49
18914	H2853𝓡	4.9" x 2.5" x 1.5"	3.95	3.59	3.19	2.75
18893	H2851𝓡	6.0" x 3.5" x 1.9"	4.95	4.49	3.95	3.49
18906	H2852𝓡	7.5" x 4.3" x 2.3"	7.49	6.79	5.95	5.49

ABS Enclosures w/ Clear Top

Includes screws for mounting boards, rubber gasket for a tight seal on your equipment & drilled holes for mounting.

141841

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
141832	203C1𝓡	4.9" x 3.4" x 2.4"	$9.95	$8.95	$7.95	$7.29
141841	203D1𝓡	6.5" x 3.4" x 2.2"	9.95	8.95	8.49	7.95
141859	203F1𝓡	7.3" x 5.7" x 3.0"	14.95	13.95	12.95	11.95

ABS Heavy-Duty Instrument Cases

P/N 18877 includes ventilation and speaker sound slots.

18869

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18869	H2505𝓡	7.9" x 6.3" x 2.5"	$8.95	$7.95	$7.19	$6.49
18877	H2507𝓡	10.0" x 7.5" x 3.1"	9.95	8.95	7.95	7.29

ABS Plastic Lip Top Enclosure

PCB standoffs molded into the case with a lip top for a precision fit. Painted black with a satin texture finish and protection against dust and splashing water. Assembly screws and lid included.

Part No.	Mfr. Part No.	Size (L x W x D)	Color	1	10	50
2138206	1551GBK	2.0" x 1.4" x 0.8"	Black	$2.49	$2.25	$1.95

Specialty Enclosures

SERPAC

A Series | S Series | C Series

Please Note: Images used are representative. Color and shapes may vary by model.

A Series — with PCB Boss Mounts
• 4-pc design • Interchangeable end panel • 4-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	25
373456	A-42-BK𝓡	Black	7.12 x 5.00 x 1.62	$10.95	$9.95	$8.95

C Series — with Pinch-Fit for PCBs
• Simple 2-piece design • 2-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	25
675331	C-4-BK𝓡	Black	2.13 x 1.38 x 0.58	$2.95	$2.69	$2.39

S Series — Two-piece Standard Enclosures
• 2-piece design
• 2-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Batt. Holder	Size (L" x W" x H")	1	10	25
675454	110-I-BK𝓡†	Black	None	3.61 x 2.27 x 1.01	$3.49	$3.29	$2.95
675462	111-BK𝓡	Black	None	3.61 x 2.27 x 1.51	4.95	4.49	3.95
675489	131-BK𝓡	Black	None	4.38 x 3.25 x 1.51	6.95	6.49	5.95
675500	151-BK𝓡	Black	None	5.63 x 3.25 x 1.51	6.95	6.49	5.95
675526	171-BK𝓡	Black	None	6.88 x 4.88 x 1.51	8.95	7.95	6.95
675542	173-BK𝓡	Black	None	6.88 x 4.88 x 2.51	11.95	10.95	9.95
675551	193-BK𝓡	Black	None	9.50 x 6.34 x 2.51	15.95	13.49	11.95

†Insert on top is recessed 0.015" on all models designated with an "I"

Metal Enclosures

208901
208911
208929

• Mounting screws and rubber feet included
• Glossy black textured steel top cover and ivory aluminum base

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
208901	B2741A	4.0" x 3.3" x 2.2"	$6.95	$6.49	$5.95	$5.49
208911	B2743A	5.9" x 5.3" x 3.0"	8.95	8.49	7.95	6.95
209350	B2746A𝓡	6.3" x 7.8" x 2.5"	10.95	9.95	8.95	7.95
208929	B2744A𝓡	7.3" x 6.3" x 2.8"	11.95	10.95	9.95	8.95
209358	B2747A𝓡	7.5" x 9.8" x 3.2"	15.95	14.49	12.95	11.95

Die-Cast Aluminum Enclosures

Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Includes screws.

11973

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11957	B5002	3.9" x 2.0" x 1.0"	$7.95	$7.49	$6.49	$5.95
11965	B5004	4.7" x 2.6" x 1.4"	10.95	10.49	9.49	8.95
11973	B5006	7.5" x 4.3" x 2.4"	19.95	19.49	17.95	16.95

Aluminum Enclosures

The enclosure comes in two pieces which slide together.

11886

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11870	H2300𝓡	4.0" x 2.0" x 2.8"	$7.95	$6.95	$5.95	$4.95
11886	H2320𝓡	5.0" x 4.0" x 3.0"	8.95	7.95	6.95	5.95
11894	H2335𝓡	7.0" x 6.2" x 4.6"	10.95	9.95	8.95	7.95

Rugged Diecast Aluminum Alloy Enclosures

Protects from dust and splashing water, while also providing EMI/RFI shielding. Designed to meet IP54 rating. Unpainted with a vibra finish. Assembly screws included.

Part No.	Mfr. Part No.	Size (L x W x D)	Cover	1	10	50
2138169	1550A	3.5" x 1.4" x 1.2"	Lid top	$6.95	$6.25	$5.59
2138290	1590B	4.4" x 2.3" x 1.1"	Lip top	7.95	7.25	6.49
2138302	1590BB	4.7" x 3.7" x 1.2"	Lip top	10.95	9.49	8.49

Raspberry Pi Enclosures

2158645: 5.12"L x 3.35"W x 2.52"H
2184296/2184317: 2.7"L x 4.0"W x 1.0"H
2184958/2184940: 3.94"L x 2.5"W x 1.18"H

2158645 2184296 2184958

Part No.	Description	★ *Web Code: RPI*	1	5
2158645	Pi Sandwich rectangular enclosure, open on all 4 sides for direct access𝓡		$6.49	$5.95
2184296	Fits model A, B; durable secure press-fit w/ GPIO ribbon cable slot𝓡		12.95	11.49
2184317	Pi shell, 2 snap-together pcs. w/ multiple slots including GPIO cable slot𝓡		12.95	11.95
2184958	Pi type B, snap-fit injection molded ABS plastic, 2-pieces, gloss black𝓡		17.95	16.95
2184940	Pi type B, snap-fit injection molded ABS plastic, 2-pieces, clear𝓡		17.95	16.95

BeagleBone & BeagleBone Black Enclosure

• Cut-outs for the DC power, ethernet, microSD card, HDMI port, USB host and USB debug ports
• 6 laser cut acrylic pieces, 4 plastic standoffs, 8 hex-nuts and 8-1/2" 4-40 screws • BeagleBoard on pg 158

Part No.	Mfr. Part No.	Inner Dimensions	Outer Dimensions	1	5
2184270	699𝓡	1.18" x 2.20" x 3.78"	2.75" x 1.73" x 3.78"	$19.95	$18.95

Board-ganizer® Multi-Development Board Enclosure Kit

• 6-piece fold and flatten enclosure design
• For use with development boards and micro-computers
• Specially designed side openings for plug-in connections

NEW **MARKED IN PINK**

Part No.	Mfr. Part No.	Closed Dimensions	1	5
2204357	BG-32618	5.0" x 5.0" x 3.5"	$15.95	$14.95

Electro Design

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

JAMECO ValuePro — General Purpose Prototyping Boards

Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

- 0.062" board thickness
- 0.1" hole spacing
- 0.08" pad size
- PCB material epoxy glass
- Plated through pads are double-sided

★ Web Code: PBH

See PCB enclosures on pg 143, and mounting hardware (recommend P/N 106551) below

21435 | **206579** | **21478** | **52943**

106551

Board Outline

Circuit Patterns

A — Holes Only
B — Pad Per Hole
C — Power/Ground Perimeter Bus with Pad Per Hole
D — 3 Hole Solder Pad and Bus

Part No.	Product No.	Size (W" x L")	Fits Enclosure(s) (see page 143)	Circuit Pattern	Hole Pads	# Holes x Dia.†	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	Price 1	Price 10	Price 50	Price 100
105102	5002PCB℟	1.50 x 3.50	11957	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	$6.95	$5.95	$4.95	$3.95
105100	2855PCB℟	1.60 x 2.70	18922	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	5.95	5.49	4.95	4.49
105129	2853PCB℟	2.00 x 4.40	18914, 11965	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	8.49	7.59	6.75	5.95
105111	2300PCB℟	2.40 x 3.40	11870	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	7.95	7.19	6.49	5.95
263207	PCB-463℟	2.40 x 4.10	—	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	7.95	6.95	5.95
28178	PCB1℟	2.42 x 4.10	—	C	Plated through	674 x .040"	None	None	4 x .120"	.04	7.95	7.25	6.59	5.95
263215	PCB-858℟	2.50 x 4.25	18893	D	Plated through	640 x .042"	None	D-sub 25/USB/RJ45	4 x .120"	.05	8.95	7.95	6.95	5.95
105153	2851PCB℟	3.10 x 5.50	18893	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	9.95	8.95	7.95	6.95
263223	PCB-69℟	3.30 x 3.70	—	B	Single-sided	900 x .042"	None	None	4 x .140"	.05	8.95	7.95	6.95	5.95
105137	2320PCB℟	3.30 x 4.50	11886	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	8.95	7.95	6.95	5.95
105162	2852PCB℟	3.60 x 7.00	18906, 11973	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	13.95	12.49	10.95	9.95
2131186	ECS3-H℟	3.90 x 6.30	—	D	Single-sided	784 x .041"	2	DIN41617/41612	4 x .120"	.12	8.95	8.49	7.95	6.95
21531	JE417℟*	4.20 x 6.50	—	C	Plated through	2126 x .042"	2	D-sub 9/15/25/37	8 x .120"	.12	11.95	10.95	9.95	8.95
206587	2746APCB℟	4.30 x 6.80	209350	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	9.95	8.95	7.95	6.95
21435	JE401(8001)℟	4.50 x 6.50	18869	B/D	Single-sided	2360 x .042"	2	None	None	.12	16.95	15.49	13.95	11.95
206579	2743APCB℟	4.60 x 4.30	208911	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.95	6.95	5.95	5.29
105180	2505PCB℟	5.00 x 6.50	18869	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	13.95	12.49	10.95	9.95
21478	JE407(8006)℟	5.00 x 13.25	—	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	39.95	35.95	32.95	28.95
206594	2747APCB	5.50 x 8.00	209358	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	11.95	10.95	9.95	8.95
105187	2507PCB	6.10 x 8.80	18877	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	16.95	15.49	13.95	11.95
2169547	PCB-7038-SINGLE	8.30 x 11.9	—	B	Single-sided	8819 x .042"	10	5	4 x .115"	.40	29.95	28.95	26.95	25.95
263232	PCB-7038℟	8.30 x 11.9	—	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	39.95	35.95	31.95	27.95

VECTOR ELECTRONIC COMPANY — Vector Prototyping Boards

43140	64P44XXXP	4.50 x 6.50#	18869	A	Drilled only	2860 x .042"	None	None	None	.09	$8.95	$8.49	$7.95	$7.49
52943	84P44WE	4.50 x 8.50	18877	A	Drilled only	3740 x .042"	None	None	None	.15	12.95	12.45	11.95	11.49
37612	169P44XXXP	4.50 x 17.0#	—	A	Drilled only	7524 x .042"	None	None	None	.25	15.95	15.49	14.95	13.95
37621	169P84WE	8.50 x 17.0	—	A	Drilled only	14,448 x .042"	None	None	None	.53	29.95	28.95	27.95	26.95
106551	20 pieces; PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards										2.95	2.59	2.29	1.95

* PC/XT 8-bit # PCB material: phenolic † All 0.042" Diameter hole boards use terminals P/Ns 34147, 34155 and 34163 (below)

VECTOR ELECTRONIC COMPANY — .042" Diameter Copper Alloy Wire Wrap and Push-In Terminals

★ Web Code: XCE

34147: Push-In Micro-Klip Terminals

34155: Miniwrap Wiring Terminals • Shoulder: .045".
- Two-prong w/ square tail for wire wrapping

34163: Klipwrap Wiring Terminals
- Three-prong with square tail for wire wrapping

34147 | **34155** | **34163** shoulder
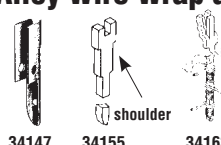
Part No.	Mfr. Part No.	Height Above .062" Board	Length Below .062" Board	Post Size	Overall Length	100 pc. units 1	100 pc. units 10
34147	T421-1/C	.200	.097	.032" x .045"	.36"	$8.95	$7.95
34155	T44/C	.065	.530	.025"Sq.	.69"	9.95	8.95
34163	T49/C	.200	.530	.025"Sq.	.83"	16.95	15.45

BPS BusBoard Prototype Systems — BusBoard Breadboards and Prototyping Boards

- Precision-drilled
- Precision-etched

2125026

Solderless Plug-In Breadboards

These solderless "plug-in" breadboards provide a quick way to build and test circuits and can be transferred directly to the protoboards right away.

Part No.	Product No.	Size (L" x W" x D")	Points	1	10	50
2125018	BB300℟	3.3 x 1.4 x 0.3	300	$4.95	$4.49	$3.95
20601	WBU-301℟	3.3 x 2.1 x 0.3	400	5.95	5.49	4.95
2123830	BB400T℟*	3.3 x 2.1 x 0.3	400	5.95	5.39	4.79
2125026	BB830T℟*	6.5 x 2.2 x 0.3	830	7.95	7.49	6.95

*Transparent

Solderable PC Protoboards

- High-quality FR4 glass epoxy PCBs for long life
- Anti-tarnish protective coating for easy soldering

2127267

Part No.	Product No.	Size (L" x W" x D")	Points	1	10	50
2125042	SB300℟	3.0 x 1.20 x 0.06	300	$4.95	$4.49	$3.95
2125051	SB400℟	3.0 x 1.90 x 0.06	400	5.95	5.49	4.95
2191402	SB404℟	3.75 x 1.85 x 0.06	540	4.95	4.49	3.95
2125034	BR1℟	7.0 x 1.85 x 0.06	830	6.95	6.49	5.95
2127241	PR3U℟	6.3 x 3.9 x 0.06	2356	10.95	9.49	8.95
2127267	ST3U℟	6.3 x 3.9 x 0.06	2356	10.95	9.49	8.95

JAMECO ValuePro — PT Series Prototyping Boards

★ Web Code: PBH

- Features power buses that connect to a power jack (recommended P/Ns 101178 and 101187, pg 101)

Part No.	Cross Ref.	Size (L" x W")	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	10	50
645677	PB-456	3.5 x 2.5	Double-sided	456 x .036"	4 x .140"	$9.95	$8.95	$7.95
262511	PB-1135	5 x 3.7	Double-sided	1135 x .036"	4 x .140"	12.95	11.95	10.95
262537	PB-1931	6 x 4.9	Double-sided	1931 x .036"	4 x .140"	14.95	13.95	12.95
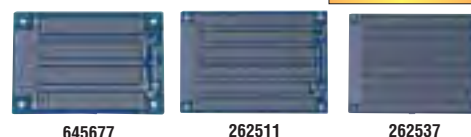
645677 | **262511** | **262537**

℟ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Electro Design

DATAK — Pre-Sensitized Circuit Boards & Chemicals

Circuit Boards
- Pre-coated circuit board
- 1/16" thick

★ *Web Code: CTB*   156751

Part No.	Mfr. Part No.	Description	Size (W" x L")	1	10	50
2097117	14-024	Single sided	2.0 x 4.0	$4.49	$3.95	$3.49
156751	14-034	Single sided	3.0 x 4.0	5.49	4.95	4.49
2161326	14-046	Single sided	4.0 x 6.0	7.95	7.49	6.95
2161334	14-066	Single sided	6.0 x 6.0	10.95	9.95	8.95
156742	14-234	Double sided	3.0 x 4.0	6.95	6.49	5.95
2161342	14-266	Double sided	6.0 x 6.0	11.95	10.95	9.95

Copy Sheets and Chemicals

Part No.	Mfr. Part No.	Description	1	10	50
2097070	12-500	Clear copy sheets (8.5" x 11.5") 5 pk.	$5.95	$5.49	$4.95
70201	ER3*	Dry concentrated etchant (makes 1 pint)	7.95	7.49	6.95
156734	12-404*	4 oz. positive developer	24.95	22.95	19.95
2097088	12-800	Tin plating copper kit†	17.95	16.95	15.95

*Shipped via ground – available continental U.S. only
† Includes ER-18 tinnit solution, 8"x6"x2" pan, 16 oz. bottle

GC — Prototype Boards

★ *Web Code: PBH*

Export Design Phenolic Prototype Board
Accommodates all types of ICs, transistor packages and passive parts. Lands and bus bars are tin plated. 0.1" centers.

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616631	22-504	3 1/8 x 5 1/16 x 1/16	$7.95	$7.29	$6.49

Experimenter's Phenolic Prototype Boards
616649: Copper plated with 94 five-point terminals and two 40-point bus strips
616673: Single land pattern

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616649	22-508	2.0 x 6.0 x 1/16	$13.95	$12.95	$11.95
616673	22-512ℛ	3.38 x 6.75 x 1/16	6.95	6.49	5.95

Perforated Bare Phenolic Prototype Boards
Unexcelled for prototypes, breadboards, hobby or science projects. Bare phenolic board with no copper clad.
- 0.100" spacing   • 1/16" thick

Part No.	Mfr. Part No.	Size (W" x L")	Hole Dia.	1	10	25
616681	22-514	2.25 x 6.0	.042	$6.95	$6.49	$5.95
616690	22-516ℛ	4.50 x 6.0	.042	5.95	5.49	4.95

Versa Strip Phenolic Prototype Board
- Alpha-numeric indexing   • 0.035" diameter holes
- Silver-plated land patterns   • 0.1" centers   • 1/16" thick

Part No.	Mfr. Part No.	Size (W" x L")	1	10	25
616622	22-502	3.5 x 6.0	$12.95	$12.49	$11.95

BPS BusBoard Prototype Systems — Through-Hole Prototyping Boards

Fig. 1   **Fig. 2**   **Fig. 3**   **Fig. 4**
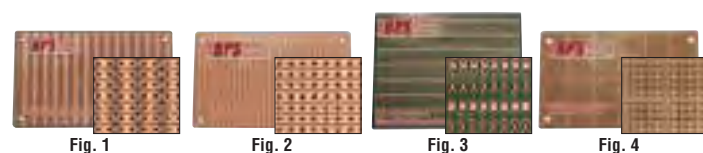
- High-quality FR4 glass-epoxy circuit board
- 1oz./ft² copper with anti-tarnish coating for easy soldering
- 0.037" drilled holes on 0.1"(2.54mm) centers

Part No.	Mfr. Part No.	Description	Fig.	Size (W" x L")	1	5
2191461	PR2H1ℛ	Single-sided	1	1.97 x 3.15	$3.49	$3.19
2191488	ST1.ℛ	Single-sided	2	1.97 x 3.15	3.49	3.19
2191470	PR2H2ℛ	Single-sided	1	3.15 x 3.94	5.95	5.49
2191496	ST2.ℛ	Single-sided	2	3.15 x 3.94	5.95	5.49
2191437	BB2ℛ	Single-sided	3	3.15 x 3.94	5.95	5.49
2191445	PAD1ℛ	Double-sided	4	1.97 x 3.15	3.95	3.59
2191453	PAD2ℛ	Double-sided	4	3.15 x 3.94	6.95	6.25

Photofabrication, Exposure and Economy Etching Kit

The kits below allow you to produce professional printed circuit boards quickly and at a lower cost than a professional design house.

★ *Web Code: MGC*

2121017: Photofabrication kit
- 3 single sided presensitized PCB boards (3" x 5", 4" x 6" and 6" x 6")   • Instruction sheet
- Chemicals: developer and ferric chloride
- Foam brushes, development tray, rubber gloves

2121025: Exposure kit
- Fluorescent light fixture w/ stand   • Instruction sheet
- Daylight fluorescent bulb   • Acrylic weight for artwork

2121033: Economy Etching kit
- 5 liter etching tank   • Instruction sheet
- Air pump and tubing, spraying unit, vinyl gloves

Part No.	Description	1	5
2121017	416-K photofabrication kit*	$59.95	$54.95
2121025	416-X exposure kitℛ	69.95	64.95
2121033	416-ES economy etching kitℛ	59.95	54.95

*Shipped via ground – available continental U.S. only

JAMECO ValuePro — Prototyping Developer Kit

The Jameco prototyping developer kit includes everything you need to get started with prototyping your own PCB.
- 2 precoated circuit boards, 3" x 4" x 1/16" (P/N 156751, below)
- 4 oz. positive developer concentrate (P/N 156734, below)
- 32 oz. etching solution (P/N 616438, pg 140)

Part No.	Description	1	5
2113244	Prototyping developer kit*	$46.95	$42.95

*Shipped via ground – available continental U.S. only

GC — Bare Copper Circuit Boards – Single Sided

1 oz. copper on base of either fiberglass or reinforced epoxy board.

★ *Web Code: CTB*

Part No.	Mfr. Part No.	Size (W" x L" x Thick")	1	10	50
616471	22-250	3" x 5" x 1/16"	$4.95	$4.49	$3.95
616489	22-260	4" x 6" x 1/16"	5.49	4.95	4.49
616497	22-261	6" x 6" x 1/16"	5.95	5.49	4.95
616500	22-263	6" x 9" x 1/16"	6.95	6.49	5.95
616518	22-264	8" x 10" x 1/16"	9.95	8.95	7.95
616534	22-268	11" x 14" x 1/16"	15.95	14.95	13.95

616518

JAMECO ValuePro — Copper-Plated Blank Circuit Boards

★ *Web Code: CTB*

Single & double-sided boards are copper plated.
- Copper thickness: 35µm
- Total copper weight: 1 oz per side
- 1.6mm (1/16") thick   • PCB material: phenolic

Fig. 1   **Fig. 2**   **Fig. 3**

Part No.	Cross Ref. No.	Description	Fig.	Size (L" x W")	1	10	50
169279	PCBS3X6	Single-sided	3	2.9 x 5.9	$2.95	$2.69	$2.39
169288	PCBS6X6ℛ	Single-sided	2	5.9 x 5.9	3.95	3.49	2.95
169296	PCBS12X12ℛ	Single-sided	1	11.8 x 11.8	11.95	10.95	9.95
169309	PCBD3X6ℛ	Double-sided	3	2.9 x 5.9	3.95	3.49	2.95
169317	PCBD6X6ℛ	Double-sided	2	5.9 x 5.9	6.95	6.39	5.59
169325	PCBD12X12ℛ	Double-sided	1	11.8 x 11.8	19.95	17.95	15.95

GC — Positive Pre-Sensitized Circuit Boards

1 oz. copper (.0014") on an epoxy glass FR-4 board, UL94V-0 rated. The peel-off coating protects the board while handling or cutting prior to exposure. Use with developer mixed 1:9 with water (recommend P/N 616411, pg 140).

★ *Web Code: CTB*

Part No.	Mfr. Part No.	Description	Size	1	10	50
616251	21-334	Single-sided	4" x 6"	$6.49	$5.95	$5.49
616260	21-336	Single-sided	6" x 6"	7.95	7.29	6.49
616307	21-353	Double-sided	6" x 9"	13.95	12.95	11.95

Electro Design

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
| NAME BRANDS | HOUSE BRANDS | SPECIAL BUY |

BoardworX — Surface Mount Proto Boards

BoardworX utilizes a new SMT prototyping system called the "Universal Grid" concept which allows fast and easy prototyping of almost all surface mount parts on a single board (except BGAs)

2117270

2117288
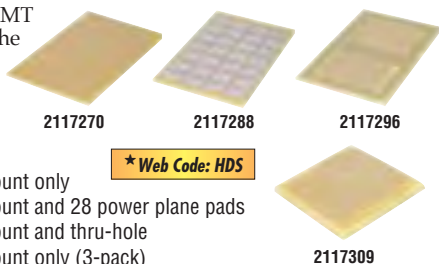
2117296

★ **Web Code: HDS**

2117309

2117270/2190531: Surface mount only
2117288/2190549: Surface mount and 28 power plane pads
2117296/2190557: Surface mount and thru-hole
2117309/2190565: Surface mount only (3-pack)

Part No.	Mfr Part No.	Size	Grid Spacing (Top/Bottom)	1	10	100
2117270	SMT-100	3" x 2"	0.02"/0.025"	$12.95	$11.95	$10.95
2190531	SMT-1100*	3" x 2"	0.02"/0.025"	14.95	14.49	13.49
2117288	SMT-200	3" x 2"	0.02"/power pad	12.95	11.95	10.95
2190549	SMT-1200*	3.3" x 2"	0.02"/power pad	14.95	14.49	13.49
2117296	SMT-300	3" x 2"	0.02"/0.025"	12.95	11.95	10.95
2190557	SMT-1300*	3.3" x 2"	0.02"/0.025"	14.95	14.49	13.49
2117309	SMT-400	1" x 0.95"	0.02"/0.025"	6.95	6.25	5.59
2190565	SMT-1400*	1" x 0.95"	0.02"/0.025"	7.95	7.49	6.95

*Lead-free solder mask with silkscreen and through-board connection vias

BPS BlueBoard Prototype Systems — Surface Mount Prototyping Boards

- Grid of pads for 0402, 0603, 0805, 1206, SOT23, and other SMT parts
- Solid ground plane on back side (G models)
- 1/16" thick • High-quality etched FR4 glass-epoxy circuit board

2191509

2191808

Part No.	Mfr. Part No.	Size (L" x W")	Description	1	5
2191509	SP1-50x50-G ℛ	3.15 x 1.97	42mil pads on 50mil centers	$3.95	$3.19
2191533	SP1-100x100-G ℛ	3.15 x 1.97	92mil pads on 100mil centers	3.95	3.59
2191568	SP1-200x100-G ℛ	3.15 x 1.97	80mil pads on 100mil centers	3.95	3.59
2191517	SP2-50x50-G ℛ	3.15 x 3.94	42mil pads on 50mil centers	6.95	6.25
2191525	SP2-50x50-2S ℛ*	3.15 x 3.94	42mil pads on 50mil centers	6.95	6.25
2191541	SP2-100x100-G ℛ	3.15 x 3.94	92mil pads on 100mil centers	6.95	6.25
2191576	SP2-200x100-G ℛ	3.15 x 3.94	80mil pads on 100mil centers	6.95	6.25
2191808	SMT3U-PTH ℛ	6.30 x 3.94	100mil pads w/ SOIC & plated-thru holes	12.95	11.49
2191550	SP3-100x100-G ℛ	6.30 x 3.94	92mil pads on 100mil centers	12.95	11.95
2191584	SP3-200x100-G ℛ	6.30 x 3.94	80mil pads on 100mil centers	12.95	11.95
2191816	SP3T-50x50-G ℛ†	6.30 x 3.94	50mil pads on 50mil centers, unplated	12.95	11.49
2191824	SP3T-50x50-G-PTH ℛ†	6.30 x 3.94	50mil pads on 50mil centers, plated-thru	12.95	11.49

*Doublesided pads   †1/32" thick

Bellin Dynamic Systems, Inc. — Surface Mount Proto Boards

Easy, cost-effective and versatile Snap-Apart™ solution from Bellin Dynamic Systems.

- Board thickness: 0.031"   • Size: 7.6"L x 5.0"W
- Compatible w/ .100" single/dual row male headers (see pg 57)

215491

Small SMT

★ **Web Code: HDS**

Part No.	Mfr. P/N	Board Description	1	10
215491	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPAK & more	$44.95	$39.95
227344	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+	44.95	39.95

SOIC

| 215520 | B505 | 60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more | $44.95 | $39.95 |

Fine Pitch Dual Row

| 323889 | B516 | 54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600 | $44.95 | $39.95 |

microEngineering Labs — "PICProto" Prototyping Board

- Double-sided board with plated-through holes
- Large prototyping area   • Silkscreen legend

Includes: Documentation sheet with schematic, suggested parts and placement

PICProto 18: All 18-pin PICs including PIC16C52, 54, 56, 58, 554, 558, 61,620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83 and 84

Part No.	Mfr. Part No.	Description	Size (L" x W")	1	5
132644	PP18	PICProto 18 ℛ	3.0 x 1.5	$9.95	$8.95

SchmartBOARD — SMT to DIP Adapter

★ **Web Code: HDS**

This adapter makes it easy to prototype with surface mount ICs on your solderless breadboard. Simply solder the IC onto the adapter and the pins will plug directly into your board.

- Multiple boards in one package that break away
- Each one includes a row of headers for use with breadboards

Part No.	Mfr. Part No.	Pitch	No. of Boards	1	10
2130263	204-0004-01 ℛ	1.27mm	3 (one 8-pin, one 18-pin, one 28-pin)	$7.95	$6.95

CAPITAL — Surfboards®

★ **Web Code: HDS**

Mini breadboards for surface mount devices

207360

207378

207394

Part No.	Mfr. Part No.	Description	1	10
207360	9081	For 8-pin SOIC	$2.49	$1.95
207378	9082	For 8-pin SOIC	3.95	3.49
207386	9161	For 14/16-pin SOIC; 0.1"pin spacing; 0.65"H	2.95	2.69
207394	9163	For 14/16-pin SOIC; 0.1"pin spacing; 0.65"H	4.95	4.69

JAMECO ValuePro — Dual-Sided SMT Adapter Boards

These surface mount adapters have different package topologies on either side so you can test multiple SMT chips using just one adapter board.

- 0.10" pin spacing
- Holes are plated-through
- Boards easily breakaway
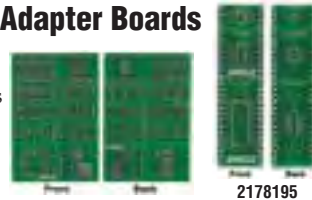
2178208

2178195

Part No.	Size (L" x W")	Fits Packages	1	10
2178195	2.6 x 0.7	8/16/28-pin SOIC & TSSOP	$7.95	$6.95
2178208	3.4 x 2.3	SOIC, TSSOP, SOT, TO, HC and SMT passive	24.95	22.95

MICROCHIP — PICkit™ 3 In-Circuit Debugger

The PICkit 3 uses in-circuit debugging logic incorporated into each chip with Flash memory to provide a low-cost hardware debugger and programmer.

- USB (Full speed 12 Mbits/s interface to host PC)
- Real-time execution
- MPLAB IDE compatible (free copy included)   ★ **Web Code: SUP**
- Built-in over-voltage/short circuit monitor
- Supports low voltage to 2.0 volts (2.0V to 6.0V range)

Part No.	Mfr. Part No.	Description	1	5
2184632	PG164130 ℛ	PICkit 3 programmer/debugger	$74.95	$69.95

MICROCHIP — PICkit™ 2 Microcontroller Starter Kit

The PICkit™ 2 microcontroller programmer is a low cost development programmer. It is capable of programming most of Microchip's Flash micro-controllers. New device support can be added by updating the operating system. The latest firmware is available on Microchip's website.

Includes: PICkit™ 2 development programmer, demo board with 8-bit CMOS MCU, two starter CD ROMs, and USB cable

Part No.	Mfr. Part No.	Description	1	5
697338	DV164120 ℛ	Programmer starter kit	$79.95	$74.95

UVP — EPROM Eraser

- Erases 1 chip in 15 min. or 8 chips in 21 min.
- Conductive foam liner eliminates static build-up
- Maintains constant exposure distance of 1"
- Built-in safety lock to prevent UV exposure
- Complete w/ holding tray for 8 chips   • UV intensity: 6.8mW/cm²

Part No.	Description	Size (L" x W" x H")	Weight	1	5
15712	8-chip eraser	9.0 x 3.7 x 2.6	2.3 lbs.	$195.95	$175.95
34382	Replacement lamp	—	0.6 oz.	34.95	29.95

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Electro Design

EE Tools — IC Programming Solutions

EE Tools' main goal is to develop and manufacture the most sophisticated, reliable, fast, stand-alone and PC-based device programmers which will surpass those currently on the market.

- All products made in the USA
- Free software updates for life
- CE approved
- Guaranteed fast and competitive programming speed and reliability

MADE IN USA

ChipMax Low Cost Universal Programmer
- Parallel port interface
- Input voltage: 5V
- 40-pin ZIF socket
- No. of devices supported: 8,000+
- Supports: Flash EPROM, EPROM, EEPROM, Microcontroller, PALCE, GAL

Part No.	Mfr. Part No.	Price
207731	CHIPMAX	**$269.95**

ChipMax2 Low Cost Fast Universal Programmer
- USB interface
- 48-pin ZIF socket
- Input voltage: 5V, 3.3V, 2.7V, 1.8V
- No. of devices supported: 15,000+
- Supports: NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, GAL, FPGA, MCU

Part No.	Mfr. Part No.	Price
694866	CHIPMAX2	**$544.95**

TopMaxII High Speed Universal Programmer
- USB 2.0 PC interface
- 48-pin ZIF socket
- Input voltage: 5V, 3.3V, 1.8V
- No. of devices supported: 20,000+
- Supports: NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, PAL, GAL, FPGA, MCU

Part No.	Mfr. Part No.	Price
2110158	TOPMAXII	**$794.95**

Flash Writer/Programmer with USB Interface
- Supports Flash EPROMs, EEPROMs and EPROMs
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Programs 8-bit Flash serial ICs via USB cable on Windows® 9x/2000/XP • High speed: only 22 seconds to blank check, program and verify MXIC MX29F040
- File formats supported: binary & machine code, Intel HEX, Motorola HEX, Tektronix

Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description	1	5
225947	Leaper 3D Flash programmer/writer	**$269.95**	**$249.95**

Pololu — USB AVR Programmer
This programmer emulates an AVRISP v2 on a virtual serial port, making it compatible with standard AVR programming software.

- In-system programmer (ISP)
- Extremely compact
- Compatible with Windows XP, Windows Vista, Windows 7 and Linux

Includes: 6-pin ISP programming cable and USB-A to mini-B cable

Part No.	Description	Size (L" x W")	1	5
2136420	USB AVR programmer ℛ	1.35 x 0.6	**$19.95**	**$18.95**

CSS — Basic EZ Programmer
Provides a quick and simple method of reading and programming CSS555 and CSS555C Programmable 555 Timer IC devices (page 6).

- Runs on 2 AA batteries (included)
- Provides both program and read functions
- Complete programming instructions included

Part No.	Description	1	5
2158733	Stand-alone EZ programmer	**$34.95**	**$31.95**

USBtinyISP AVR Programmers
The USBtinyISP is a simple open-source USB AVR programmer and SPI interface. It's a low-cost, simple solder kit, and has both 6 and 10-pin standard ISP cables. Works with AVRDude and AVRStudio-compatible & tested under Windows® XP, Linux & MacOS X.

NOTE: Does not do JTAG or high voltage programming.

- Max clock rate: 400kHz
- Read/write speed: 2kb/s, 1kb/s
- 2 status LEDs: "USB/Power Good" and "Busy"
- I/O buffering allows programming of 2V-6V targets
- Powered off 5V USB bus @ <100mA

DFROBOT

2136788

Requires: USB-A to USB-B cable (P/N 222608, pg 150, not included)

Part No.	Mfr.	Includes	1	5
2136788	Adafruit	PCB, enclosure, MCU and components	**$25.95**	**$24.95**
2157790	DFRobot ℛ	Assembled board.............................	**17.95**	**15.95**

microEngineering Labs — USB PIC Programmer
More than 300 PIC microcontrollers are supported and support for future devices can be added via FLASH firmware updates. Intelligent voltage regulation allows programming of the new, low voltage PIC® MCUs as well as standard 5V devices.

- Dual color indicator shows ready/busy states
- Full featured, command-line operation
- Fast full speed USB data transfer
- Standard USB cable (Type A male to Type B male)
- HID interface
- Automatic Vdd and Vpp adjustment for different PIC MCUs
- Size: 2.3" x 1.8"
- Compatible with microchip HEX format files & all programming adapters

Part No.	Mfr. Part No.	Description	1	5
1942382	U2	USB PIC programmer ℛ	**$84.95**	**$79.95**

Electro Design

SPI Seasonic **60 to 350-Watt PC Power Supplies** JAMECO ValuePro ★ *Web Code: HCA* †† 80 Plus Energy Efficient 80 PLUS

1955941   2081887   2110422   427928   2172754

AT Power Supplies

Part No.	Mfr.	Mfr. Part No.	Power (W)	Output (VDC/Amps)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	1	5	25
2188596	G-Power	GP-4200PB	200	+5/20, -5/0.5, +12/8, -12/0.5	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 105)	UL/CSA/TUV	6.0 x 6.0 x 3.4	3.0	**$39.95**	**$34.95**	**$29.95**
2208219	Sparkle	SPI-300G-B (no plug)	300	+5/30, -5/0.5, +12/12, -12/0.5	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 105)	UL/CSA/TUV FCC	5.5 x 5.9 x 3.4	3.5	64.95	59.95	54.95

ATX Power Supplies

Part No.	Mfr.	Mfr. Part No.	Power (W)	Output (VDC/Amps)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	1	5	25
1955941	Magic Power Tech	MPI-806H*R**	60	+3.3/6, +5/8, +12/3, +5VSB/0.75, -12/0.5	90-264 @ 47-63 switching	Connector CN1-CN3	UL/CB/TUV	5.0 x 3.1 x 1.5	1.0	**$89.95**	**$84.95**	**$79.95**
2081887	Enhance	ENP-0185T*	150	+3.3/7, +5/12, +12/5, +5VSB/0.8, -5/0.2, -12/0.3	200-240 @ 50	3-prong AC receptacle (P/N 38050, pg 105)	CUL/TUV/CE	7.5 x 3.3 x 1.7	2.5	**$6.95**	**$6.25**	**$5.59**
2110422	Sparkle	SPI2501UH-B204*R***†	250	+3.3/16 +5/18, +12v1/16, +12v2/16 -12/0.8, -5/0.3, +5VSB/2.5	90-264 @ 47-63 switching	3-prong AC receptacle (P/N 38050, pg 105)	UL/CSA/TUV/ CE/CB††	7.5 x 3.9 x 1.6 (1U)	2.9	79.95	69.95	64.95
427928	Seasonic	SS-300SFD Active PFC*R***†	300	+3.3/20, +5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264 @ 47-63 switching	3-prong AC receptacle (P/N 38050, pg 105)	UL/CUL/TUV/CE	5.1 x 4.9 x 2.5	2.7	59.95	53.95	49.95
2179497	FSP	IP-S350AQ2-0	350	+3.3/20, +5/16, +12/10, +12/13 -12/0.3, +5VSB	115/230 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 105)	UL/TUV/CE	6.0 x 5.5 x 3.5 (1U)	2.7	**29.95**	**26.95**	**24.95**
2172754	Top Micro	P6350H1FRS2*	350	+3.3/20, +5/20, +12/16, +12/12, -12/1, +5VSB	115/230 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 105)	UL/CUL/TUV/CE	8.0 x 4.0 x 1.5 (1U)	3.0	**39.95**	**34.95**	**29.95**

*See photo above   † Comes with SATA ready connector   †† 80 Plus energy efficient

ATX Power Cable

Part No.	Mfr.	Mfr. Part No.	Description	Length	AWG	1	10	100
170238	Jameco ValuePro	ATX-400-RV-R*R*	20-pin ATX extension cable (female to male)	15"	18	**$8.95**	**$7.95**	**$6.95**

JAMECO ValuePro **Computer Switchbox**

- 2-port switchbox
- DB25 female (2 PCs to 1 printer)
- Size: 6.0"L x 5.8"W x 2.3"H
- Weight: 1.4 lbs.

★ *Web Code: CAK*

Computer Cables on page 150

Part No.	Cross Ref. No.		1	5
20095	40D3-17602		**$19.95**	**$17.95**

(intel) **CPU Cooling Fans without Heat Sinks**

★ *Web Code: MBG*

2125886

- Size: 2.55"W x 1.0"D x 3.15"H

Part No.	Intel Part No.	Description	1	10
2125878	A50441-002	For socket 370 PIII, 12V @ .17A, 3pin connector	**$2.95**	**$2.75**
2125886	A50933-003	For socket 370 PIII, 12V @ .17A, 3pin connector	3.95	3.59

Trackball, Mouse, Keyboard & Keypad

ione NMB ★ *Web Code: LBU*

305082   2006650   681230   265375

Part No.	Manufacturer	Mfr. Part No.	Type	Interface	Description	Size (L" x W" x H")	1	10	25
305082	IOne	Libra-90	Trackball	USB-PS/2	PS/2 trackball mouse with USB adapter, black	5.6 x 4.7 x 1.9	**$24.95**	**$22.95**	**$19.95**
2006650	IOne	MSM9UP-BLK*R*	Optical	USB-PS/2	3-button mouse with scroll, black	4.5 x 2.3 x 1.5	8.95	7.95	6.95
681230	NMB Tech.	RT915CTW	Keyboard	PS/2	104-key w/12 function keys & built-in SRS 3D speakers, beige	18.5 x 10.0 x 3.2	9.95	8.95	7.95
265375	IOne	Scorpius-22	Keypad	RS232(DB9)	22-key numerical pad, tilt-adjustable, IBM/PC compatible, black	4.3 x 3.0 x 0.5	39.95	35.95	31.95

JAMECO ValuePro **Serial & Parallel Interface & SCSI Cards** ★ *Web Code: VBB*

Part No.	Mfr.	Product No.	Bus	Ports	Connectors	Description	1	10
344903	SYBA	SD-PCI-1S	PCI	2	DB9	Serial Interface Card, 32-bit PCI bus, dual DB-9 male, Nm9835CV chipset	**$24.95**	**$22.95**
2123080	ValuePro	U10-00075*R*	PCI	1	DB25	Parallel Interface Card, 16-byte FIFO, 2.7MBps transfer rate, IEEE 1284-1994, supports ECP/EPP/SPP/BPP, Windows®/Linux	19.95	17.95
149294	ValuePro	CI-2020	ISA	4	50-pin F	SCSI card, DOS, Windows® NT/95, OS2 netware, SCO UNIX compatible, internal and external SCSI-II connectors, fast SCSI II	24.95	22.49

344903   2123080   149294

ENCLOSED SWITCHING POWER SUPPLIES — NEW ARRIVALS MW

Part No.	Description	1	5	Part No.	Description	1	5
693290	48V @ 2.3A	$23.95	$21.95	2149503	12V @ 29A	$43.95	$39.95
323708	5V @ 16A	23.95	21.95	2149554	48V @ 7.3A	43.95	39.95

693290

Computer

19" Rack Mount Enclosures

JAMECO ValuePro

- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- 0.12" thick black front panel
- Top, bottom and sides are durable 0.035" steel
- All enclosures have handles except P/N 132813

Includes: Mounting screws

Part No.	Dimensions (In.)			Wt.	Pricing	
	H1	H2	D	(lbs.)	1	5
149500*	3.50	1.70	15.80	8.0	$34.95	$29.95
132813ℛ	1.73	1.25	9.75	6.2	39.95	36.95
132822ℛ	3.46	3.00	9.75	7.9	53.95	48.95
132840ℛ	3.46	2.88	11.75	9.1	56.95	51.95
132848ℛ	5.22	4.75	11.75	10.6	62.95	56.95
132864ℛ	8.56	8.00	13.50	15.4	109.95	99.95

*2U fixed rack shelf

★ **Rack Mount Products — Enter Web Code GAT**

HDD Removable Enclosure

SATA Hot Swappable

- For 5.25" drive bays
- For 3.5" SATA and SATA II hard disks

★ **Web Code: HDD**

Includes: SATA cables, 2 door keys & mounting screws

Part No.	Description	Size (W" x D" x H")	1	5
2120444	SATA	5.9 x 7.8 x 1.7	$5.95	$4.95

SATA External Enclosure

- For SATA 3.5" and 2.5" drives
- Internal fan for cooling drive
- SATA-II compatible

Includes: 20" external SATA cable, 34W dual output table-top power supply w/ a 4-pin DIN connector, power cable & hardware

★ **Web Code: HDD**

Part No.	Description	Size (L" x W" x H")	1	5
2125211	SATA	7.9 x 5.1 x 1.9	$7.95	$6.95

USB-A Cable w/ Bracket

JAMECO ValuePro

- Add additional USB ports to your PC
- Dual USB-A female ports
- Supports data transfer rates of 12Mbps • 8"L cable

Part No.	Description	1	10	25
144813	(2) 1x5-pin connectors	$3.95	$3.59	$3.29

★ **Computer Brackets — Enter Web Code EAM**

Replacement Switches for AT-Style Computer Cases

174238: PC Pushbutton
- Contacts rated at 250VAC
- Alternate action double pole switch
- UL/CSA/VDE approved

127028: PC Rocker
- For mini-tower cases
- UL/CSA approved • DPST

Part No.	Current	Size (L" x W" x D")	1	10	100
174238	8A	0.9 x 0.7 x 0.9	$2.95	$2.49	$1.95
127028	10A	0.9 x 1.2 x 1.4	1.95	1.75	1.49

4, 7, 8 & 12-Outlet Surge Protectors

TRIPP-LITE

Isobar *Premium Surge Protectors*

- Up to $50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- UL 1449 and 1283 listed • Lifetime warranty

18981: • Size: 5.8"L x 3.5"W x 2.5"H
19001: • Size: 9.0"L x 3.5"W x 2.5"H

Part No.	Mfr. Part No.	Joules	Description	Wt. (lbs.)	1	5
18981	ISOBAR4ℛ	2200	4 outlet, 2 isolated filters (6')	2.4	$54.95	$49.95
19001	ISOBAR8U	2350	8 outlet, 4 isolated filters (12')	3.5	74.95	66.95

Super 7 Standard Surge Protector – 7 Outlet

- $75,000 Ultimate Lifetime Insurance
- Up to 42,000 amp spikes
- Effective spike and noise suppression w/ diagnostic LEDs

Part No.	Mfr. Part No.	Joules	Size (L" x W" x H")	Wt. (lbs.)	1	5
124337	Super7	2350	10.5 x 2.5 x 1.5	1.6	$19.95	$17.95

★ **Surge Protectors — Enter Web Code CAC**

★ **DIN Mounting Rails Accessories — Enter Web Code MBM**

6-Outlet Surge Protectors

JAMECO ValuePro

20175: • Metal power strip
- Size: 12.3"L x 2.4"W x 1.3"H • 4' cord

216485: • Heavy-duty power cord (14AWG x 3)
- Size: 9.5"L x 1.7"W x 1.4"H • 4' cord
- Clamping volt.: 400V • Max. voltage: 6500V
- RESET/OFF switch with built-in 15A circuit breaker

Part No.	Mfr.	Product No.	Spike Current (Max.)	Wt. (lbs.)	1	10	25
20175	ValuePro	51W1-13206	4500A, 50 joules	1.5	$10.95	$10.49	$9.95
216485	ValuePro	51W1-10206	4500A, 150 joules	0.9	12.95	11.49	9.95

USB 2.0 Active Repeater Cables

JAMECO ValuePro

Regenerates the USB signal for maximum reliability and performance over extended distances at maximum transfer rates of 480Mbps.

- Buffers and regenerates upstream and downstream signals

2075840: • Cascade up to 5 to extend distance to 25m (81 ft.) between USB device and computer

2134416: • Cascade up to 3 to extend distance to 36m (118 ft.) between USB device and computer • 3rd repeater cable can support self-powered USB devices whose power consumption is below 950mW (200mA)

Requirements: Desktop or laptop with available USB port, Windows® 98SE/ME/2000/XP or Mac OS X

Part No.	Cross Ref. No.	Length	1	5
2075840	AR2500ℛ	5 meters (16.4 ft.)	$12.95	$11.95
2134416	AR2510	12 meters (39 ft.)	16.95	15.95

6-Outlet Surge Suppressor with Coax Protection

A wall mount 6-outlet surge suppressor with coax protection that defends your equipment from electrical surges on power lines and provides protection for coaxial inputs such as TVs, VCRs, and satellite receivers.

Surge protection specifications:
- Elec. rating: 125V/15A/1875W
- Max. spike current: 4500A
- Max. surge dissipation: 200 joules
- Clamping voltage: 400V

Coaxial line surge specifications:
- Max. energy dissipation: 46 joules
- Max. spike current: 1200A

Part No.	Mfr. Part No.	1	10	25
2132200	ALG242	$4.49	$3.95	$3.49

Adjustable Timer Module

Adjustable from 1 sec. to 3 mins.

- Maximum rating: 12VDC @ 5A
- Reserve polarity protection
- Time adjusted with potentiometer

Part No.	Mfr. Part No.	1	5
2171292	THR-300	$19.95	$18.95

Analog DIN Rail Timer

- DIN rail/ back panel mount (17.5mm)
- 10 time ranges • 13 timing functions
- Output contact: SPDT (1C/O)
- Contact rating: 5A (NO), 3A @ 250VAC (NC)
- Faceplate (IP50), housing (IP40), terminals (IP20)

Part No.	Size	1	5	25
2193862	17mmℛ	$32.95	$29.95	$27.95

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

JAMECO ValuePro — Computer Cables and Adapters

134042 67257 2155188 73648 132346 31722 2125801

155352 181438 1944994 73155 2114351 387954

USB-A (M) to USB-A (M) USB-A (M) to USB-B (M) USB-A (M) to USB-A (F) 2144833

155352 645351

Extension Cables
- All lines connected straight through

Male to Female
★ Web Code: CCS

Part No.	Description	Lgth (ft.)	Color	1	10	100
2075971	DB9†	6	Black	$1.95	$1.75	$1.49
199639	DB9ℛ*	6	Black	5.95	5.35	4.79
2179702	DB9*	6	Beige	4.49	3.95	3.49
25701	DB9ℛ*	6	Beige	5.95	5.35	4.79
148516	DB9ℛ*	10	Beige	6.95	6.25	5.49
181359	DB15ℛ	6	Gray	6.95	6.25	5.59
66165	HDDB15*	6	Beige	3.95	3.55	3.19
148532	HDDB15ℛ*	10	Beige	8.95	7.95	6.95
134042	HDDB15ℛ**	6	Beige	5.49	4.95	4.49
175291	DB25ℛ*	3	Black	3.95	3.49	2.95
67257	DB25ℛ*	6	Gray	7.49	6.49	5.49
39511	DB25ℛ*	10	Gray	7.95	6.95	5.95
177279	DB25*	15	Gray	8.95	7.95	6.95
101996	DB25ℛ*	25	Gray	11.95	10.75	9.65
181295	DB37ℛ	6	Gray	5.95	5.35	4.75

Male to Male

Part No.	Description	Lgth (ft.)	Color	1	10	100
181666	DB9ℛ	10	Beige	$6.95	$6.25	$5.49
181286	DB15ℛ	6	Gray	6.95	6.25	5.59
2155188	HDDB15ℛ*	6	Black	5.95	5.35	4.79
66174	HDDB15ℛ	6	Beige	3.95	3.55	3.19
148523	HDDB15ℛ	10	Beige	6.95	6.49	5.95
174001	DB25*	3	Black	5.95	5.35	4.79
65788	DB25ℛ*	6	Gray	6.95	6.49	5.95

Female to Female

Part No.	Description	Lgth (ft.)	Color	1	10	100
224267	DB25ℛ*	6	Gray	$6.95	$6.49	$5.95

Male to 5 BNC
★ Web Code: NWC
- 1-R, 2-G, 3-B, 13-gray horiz., 14-B/W vertical

Part No.	Description	Lgth	Color	1	10	100
73648	HDDB15	6	—	$5.95	$5.49	$4.95
118068	HDDB15	6	—	6.95	6.49	5.95

*with thumbscrews **male with thumbscrews/female w/ nuts †with thumbscrews, filters & green connectors

Serial Cables w/ Thumbscrews

Part No.	Description	Lgth	Color	1	10	100
132346	DB9 F to Fℛ	6	Beige	$4.95	$4.45	$3.95
196366	DB9 F to Fℛ	10	Beige	6.95	6.25	5.49

AT F-M Adapter Serial Cables

Part No.	Description	Lgth	Color	1	10	100
109584	DB9 F to DB25 Mℛ	1	Beige	$2.95	$2.65	$2.25
31722	DB9 F to DB25 Mℛ	6	Beige	4.95	4.49	3.95

Disk Drive Power Splitter and Adapter
- 4-pin Molex male   - F = female
★ Web Code: TAE

Part No.	Description	Length (ft.)	1	10	100
277528	2 F, 20 AWG (5.25")	0.5	$2.49	$1.95	$1.75

Disk Drive Cables
★ Web Code: TAE

Part No.	Description	Length (ft.)	1	10	100
32686	40-pin (IDE)	1.5	$1.95	$1.49	$1.25
32715	50-pin (SCSI)	1.5	3.95	3.49	2.95
2125801	34-pin floppy and 39-pin HDD (Ultra ATA)	0.9 / 1.5	1.95	1.75	1.49

★ **HDMI Cable — Enter Web Code DEM**

Serial Null Modem Cables
- Gray   - Pin-outs in ( )
★ Web Code: ABE

Part No.	Description	Length (ft.)	1	10	100
181404	DB9 F to Fℛ (1 & 6-4; 2-3; 3-2; 4-6 & 1; 5-5; 7-8; 8-7)	6	$5.55	$4.95	$4.49
180698	DB9 F to Fℛ (1 & 6-4; 2-3; 3-2; 4-6 & 1; 5-5; 7-8; 8-7)	10	6.75	5.95	5.45
181438	DB25 M to DB9 F (2-2; 3-3; 5 & 6-4; 7-5; 8-7; 20-6 & 8)	6	5.49	4.95	4.49
180582	DB25 M to DB9 F (2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8)	10	5.95	5.35	4.75

6-Pin Mini DIN PS/2 & AT Cables
★ Web Code: HAE

Part No.	Description	Length (ft.)	Color	1	10	100
174772	Male to male	6	Black	$2.95	$2.49	$1.95
112628	Male to maleℛ	10	Beige	5.95	5.49	4.95
28549	Male to femaleℛ	6	Beige	4.75	4.25	3.95

36-Pin Male Centronics Parallel Printer Cables
★ Web Code: NAV

Part No.	Description	Lgth	Color	1	10	100
155352	USB-A (USB1.0)	6	Gray	$4.49	$3.95	$3.49
28716	DB25 M to Cent.	6	Gray	3.49	2.95	2.49

DIN Male Printer & Keyboard Cables for Mac®

Part No.	Description	Lgth	Color	1	10	100
1944994	8-pin (with EMI)	3.3	Black	$1.49	$1.25	$.95
10604	8-pin	6	Gray	3.95	3.49	3.05
130025	8-pinℛ	10	Gray	4.95	4.49	3.95

IEEE 488
★ Web Code: EAJ

Part No.	Description	Lgth	Color	1	10	100
73155	24-pin GPIBℛ	3.3	Gray	$24.95	$22.49	$19.95
115782	24-pin GPIBℛ	6.6	Gray	29.95	26.95	23.95
115802	24-pin GPIBℛ	13.1	Gray	34.95	31.49	28.95

SATA Disk Drive Power Adapters
- 4-pin Molex male
★ Web Code: SAC

Part No.	Description	Length (ft.)	1	10	100
2125894	15-pin straight female	0.5	$.89	$.79	$.69
2114351	Dual 15-pin straight female	0.5	3.49	2.95	2.49

SATA Data Cable

Part No.	Description	Length (ft.)	1	10	100
2114407	7-pin internal	1.6	$1.95	$1.75	$1.49
2115653	7-pin externalℛ	6	6.95	5.95	4.95

Ribbon Cable Assemblies
★ Web Code: VAA

Part No.	Description	Length (ft.)	1	10	100
12408	DB25 M to F (28 AWG)ℛ	4	$6.95	$6.25	$5.59
208582	DB9 M to F (28 AWG)ℛ	6	4.95	4.49	3.95

USB-A to 5-Pin Mini USB Adapter
★ Web Code: NAV

Part No.	Description	Length (ft.)	Color	1	10	100
2119777	USB-A F to mini F	1.4	Black	$2.65	$2.39	$2.15

USB-A Gender Adapter

Part No.	Description	Length (ft.)	Color	1	10	100
316806	Female to female	1.5	Black	$2.95	$2.65	$2.39

USB-A to DB9 Male Serial Cable/Adapters

Part No.	Description	Length (ft.)	Color	1	10	100
387954	w/ jackscrewsℛ	2	Gray	$16.95	$15.95	$13.95
2115346	w/ thumbscrewsℛ	6	Gray	18.95	16.95	14.55

PS/2 to USB Adapter
★ Web Code: CBB

Part No.	Description	Length (ft.)	Color	1	10	100
645351	A M to 2 PS/2 F	1.4	Black	$9.95	$8.95	$7.95
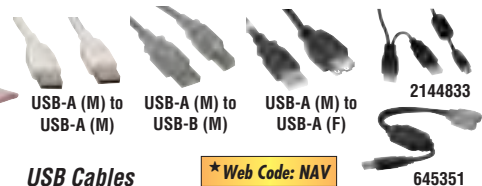
USB Cables
★ Web Code: NAV

Part No.	Description	Lgth (ft.)	Color	1	10	100
326474	A M to M (2.0)ℛ	3	Beige	$1.95	$1.75	$1.49
2150985	A M to M (2.0)	6	Blue	1.49	1.35	1.19
229682	A M to M (2.0)ℛ	6	Beige	2.95	2.59	1.95
222033	A M to M (2.0)	6	Black	2.95	2.59	1.95
222050	A M to M (2.0)	15	Black	3.25	2.95	2.65
326482	A M to F (2.0)ℛ	3	Beige	1.95	1.75	1.59
229771	A M to F (2.0)ℛ	6	Beige	2.95	2.65	2.39
222068	A M to F (2.0)	6	Black	3.25	2.95	2.25
229623	A M to F (2.0)ℛ	6	Clear	2.95	2.65	2.39
222076	A M to F (2.0)	10	Black	3.49	2.95	2.49
222084	A M to F (2.0)	15	Black	3.49	2.95	2.49
229711	A M to B M (2.0)ℛ	3	Beige	1.95	1.75	1.59
222608	A M to B M (2.0)ℛ	3	Black	1.95	1.75	1.59
229730	A M to B M (2.0)ℛ	6	Beige	2.95	2.49	1.95
2192675	A M to B M (2.0)ℛ†	6	Black	2.49	2.25	1.75
222010	A M to B M (2.0)ℛ	6	Black	2.95	2.49	1.95
229594	A M to B M (2.0)ℛ	6	Clear	2.95	2.49	1.95
229738	A M to B M (2.0)ℛ	10	Beige	3.25	2.95	2.25
222018	A M to B M (2.0)ℛ	10	Black	3.25	2.95	2.25
229762	A M to B M (2.0)ℛ	15	Beige	3.49	2.95	2.49
222026	A M to B M (2.0)ℛ	15	Black	3.49	2.95	2.49
2081481	A M to 5-pin mini B	5.5	Black	2.49	2.25	1.75
673694	A M to 5-pin mini Bℛ	6	Black	2.95	2.59	2.19
2144833	A M* to 5-pin mini Bℛ	2	Black	2.95	2.59	2.29
2135064	A M to micro-B	3	Black	2.95	2.59	2.29
2196086	A M to micro-B	3.2	White	2.95	2.59	2.29
2190119	A M** to micro-B	6	Black	7.95	7.15	6.49

†RFI filter *Dual **Reversible A = USB-A; B = USB-B; M = male; F = female

Apple USB Chargers, Data Cable, Earphones and Adapters

2151056 2151048 2154935

- **2154935:** Earphones with remote & mic
- **2151030:** Charge kit (1ea. 2151048 & 2151056)
- **2151048:** USB charger, 5V @ 1A, white Input: 100-240VAC @50-60Hz
- **2151056:** Data cable (3'L), USB-A to Apple 30-pin
- **2207638:** Apple certified 30-pin data/charge cable, 39"
- **2207620:** Apple certified 8-pin data/charge cable, 39"
- **2196094:** USB micro-B to Apple 30-pin (iPhone/iPod)
- **2196060:** USB micro-B to Apple 8-pin (iPhone5/iPad4)
- **2196078:** Apple 30-pin to Apple 8-pin (iPhone5/iPad4)

Part No.	Mfr. Part No.	1	10
2154935	MB770GB	$9.95	$8.95
2151030	A1265-KIT	15.95	13.95
2151048	A1265	9.95	8.95
2151056	MA591GB	7.95	6.95
2207638	PK-507-303WH	9.95	8.95
2207620	PK-507-803WH	16.95	15.95
2196094	IFA-A105	2.95	2.65
2196060	IFA-A101	2.95	2.65
2196078	IFA-A102	2.95	2.65

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Computer

4GB Mini USB Flash Drive

A 4GB USB flash drive in the shape of a Mean Well power supply! Perfect for storing, transporting and sharing your presentations, documents, photos, music and more.

- Compatible with Windows® 2000, XP, Vista and 7; Linux; Mac® OS

Part No.	Description	1	10
2162521	4GB USB flash drive	$5.95	$4.95

USB 2.0 4-Port Hub with Clock and Mood Light

Enjoy high speed connectivity through each of the 4 USB ports.

- 4-port USB 2.0 (supports USB1.1)
- Color changing mood light (purple, blue, green, red)
- 12 hr clock display   • Size: 3.5"W x 3.5"D x 2.0"H
- Built-in USB cable (approx. 3 ft.)

Part No.	Description	1	5
2120399	4-port USB hub*R*	$7.95	$6.95

USB 2.0 4-Port Hub

Add multiple high performance USB 2.0 devices to your computer or laptop. Unique design allows for easy storage and use.

- Stylish compact size and light weight
- USB 2.0 up to 480 Mbps
- Plug-and-play, bus powered
- 1 upstream, 4 downstream ports

Part No.	Cross Ref. No.	1	5
2184085	HU2Z40*R*	$8.95	$8.49

USB 2.0 to SATA/IDE Combo Adapter

- SATA 1.0a & USB 2.0 compliant
- 40 & 44-pin IDE plus one SATA connector
- Operate one IDE & one SATA HDD simultaneously
- External power supply provided

Requires: IBM compatible Pentium® 233 MHz, USB, Windows® 98SE/ME/XP, Mac® OS 8.6 or later

Part No.	Cross Ref. No.	1	5
2075815	AS1200*R*	$49.95	$44.95

TTL Serial Cable for iOS

Connect your iOS device to external sensors and microcontrollers!

- Enables development of iOS apps for private use in homes, schools, and offices

Requires: Downloadable Redpark SDK, sample code, and iOS 5.0.1 or later

Part No.	Mfr. Part No.	Price
2169176	C2-TTL	$59.95

★ *Bidirectional Converters — Enter Web Code KEM*

★ *Video Accessories — Enter Web Code YBE*

★ *USB Hubs — Enter Web Code NEM*

USB 3.0 Multi-Card Reader with Charging Hub Combo

Enjoy high speed data transfer from USB devices and memory cards. It can auto detect for devices requiring more than the standard 500mA, providing up to a whopping 2A! You can even charge two mobile devices while using the card reader function.

- High speed 5Gbps USB 3.0
- Backward compatible with USB 2.0/1.1
- 4-in-1 reader (CF/SD/MS/MMC/T-Flash)
- Charging port provides up to 2A for iPhones & iPads
- 1x USB 2.0 port & 2x USB 3.0 ports

Part No.	Cross Ref. No.	1	5
2184915	RU6250*R*	$44.95	$42.95

RS-232 to RS-485/422 Bidirectional Converters

- Cable length: 4000' max.   • Data rate: 100 kbps
- Controlled by RTS signal   • DCE and DTE selectable
- 4-wire full duplex or 2-wire half duplex
- Point-to-point and multidrop operations
- RS-485: terminal block and RJ11 connections
- RS-232: DB25 female connector   • Input: 110VAC
- Power consumption: 9V (1.35W max.)
- One-year warranty   • Weight: 0.9 lbs.
- Size: 2.2"L x 3.2"W x 0.8"D

197931: Port powered (power adapter not included)

- Data rate: 100kbps

117701

Part No.	Mfr. Part No.	1	5
117701	IC-485S	$59.95	$53.95
197931	IC-485SN	59.95	53.95

2.4GHz Wireless Audio/Video Transmitter & Receiver

★ *Web Code: YBE*

- 4-ch transmitter selectable/4-ch receiver viewable
- Video input/output: 1Vp-p composite @ 75Ω
- Audio input/output: 2Vp-p typical, 2.7Vp-p max. @ 600Ω
- RF impedance: 50Ω
- Size: 4.3"W x 3.4"D x 1.2"H

Includes: 12V wall adapter, antenna & mounting hardware

2191875: Transmitter

- Current consumption: 350mA typical; 650mA at start-up
- Output power: 1 watt
- Alarm input: TTL/CMOS (level detection)

2115709: Receiver   • Sensitivity: -82dBm typical
- Current consumption: 250mA typical

2191875

2115709

Part No.	Description	1	5
2191875	2.4GHz wireless trans.*R*	$74.95	$69.95
2115709	2.4GHz wireless receiver	89.95	79.95

Wallet TrackR

- Works on iPhone 4s & later, iPad Retina and Android 4.3 devices
- 2-way ringer function – find your lost item or phone (even if it's on silent)
- GPS – displays a map showing where all your items are located
- No recharging – easily replaceable batteries last up to two years
- Distance indicator – displays distance between yourself and your items
- Multiple item tracking – track up to 10 items simultaneously
- Completely customizable – customize your sounds, alert settings and more
- Free TrackR App (downloadable on the Apple App store and Google play)

Part No.	Mfr. Part No.	Description	Size (H x W x Thick)	Price
2203901	WT001	Locate anything in seconds using your iPhone or Android!	1.57"x 2.56"x 0.016"	$19.95

USB 2.0 3-Port Hub with Ethernet Adapter

It's a combination 10/100 Mbps Ethernet adapter and 3 port hub. Plug-and-play with CD drivers included.

- IEEE 802.3(u) compliant
- Supports USB 2.0 and 1.1 standards
- Supports full and half duplex operation
- Hub has over current detect and protect
- USB ports swivel 180° for convenience

180°rotaed USB port

Part No.	Cross Ref. No.	1	5
2124921	HE2230*R*	$29.95	$27.95

Mini DVR Cameras
Sound Activated Recording

- Take JPEG snapshots or AVI video
- Store files to micro SD card
- USB connection for retrieving files & charging
- 90 minutes of available space for recorded video and audio files   • Built-in lithium battery
- 30 FPS for 720 x 480 resolution   • FOV: 62°
- Color CMOS camera, 1.0 lux   • Compatible with Windows® ME, 2000, 2003, XP, Vista, Mac OS 10.4
- Micro SD card not included
- Battery life 60 mins.   • Covert keychain camera

Part No.	Mfr. Part No.	1	5
2143953	CAMCOLVC8N*R*	$39.95	$36.95

TTL Serial JPEG Camera with NTSC Video

This camera module outputs NTSC video and can take snapshots of that video and transmit them over the TTL serial link. Take up to 640 x 480 resolution pictures and pre-compress them for quick and easy storage.

- Manually adjustable focus   • 30MP CMOS
- Progressive scan mode   • Motion detection

Part No.	Mfr. Part No.	Size	1	5
2144340	P7030	1.25" x 1.25"	$49.95	$46.95
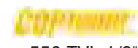
3-Axis IR Dome Cameras

- 550 TVL 1/3" color CCD
- **2185504:** • 115° viewing angle
- 35' IR distance   • 30 IR LEDs
- **2185491:** • 93° viewing angle
- 48' IR distance   • IP65   • 24 IR LEDs

Requires: 12VDC @ 300mA

2185491

Part No.	Mfr. Part No.	IR Lens	Price
2185491	INS-D315H-C*R*	3.6mm	$44.95
2185504	INS-D805H-C*R*	2.5mm	59.95

★ *Cameras — Enter Web Code MBB*

NEW MARKED IN PINK

- Powerful Bluetooth v4.0

Computer

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
NAME BRANDS   HOUSE BRANDS   SPECIAL BUY

Order by Phone at 1-800-831-4242 or Online at www.Jameco.com   **151**

JAMECO ValuePro — Waterproof Tube-Style IR Color Camera

- Auto white balance and gain control
- 1/4" CCD image sensor
- 0 lux w/ 20 IR LEDs   • NTSC
- 512(H) x 492(V)   • S/N ratio: >48dB
- 4.3mm lens with F1.8
- 420 horizontal line resolution
- Video output: 1Vp-p, 75   • Size: 2.1"Dia. x 3.8"L

Requires: 12VDC @ 160mA power supply (recommend P/N 162996, pg 95)
Includes: Mounting hardware

Part No.	Cross Ref. No.	1	5
319901	15-CM25WM	$109.95	$99.95

Arduino ADK Rev. 3

- Android Development Kit based on Mega 2560
- USB host interface (MAX3421e) to connect with Android based phones
- 54 digital I/O (14 for PWM), 16 analog input, 4 UART, 16MHz crystal, ICSP header, 2.1mm jack
- Recommend 7-12VDC/1.5A power supply

Part No.	Mfr. Part No.	Price
2163823	A000069	$69.95

JAMECO ValuePro — Webcams with Built-In Microphone

- USB interface with 4' cable
- Adjustable mounting
- 8 Megapixel   • 30 fps
- Compatible w/ QQ, Skype, MSN, etc.
- Video capture software included

2138062

Part No.	Cross Ref. No.	Case Color	1	5
2138062	X193UA-RD	Red	$19.95	$17.95
2167269	X193UA-GN	Green	19.95	17.95
2135873	X193UA-BK	Black	19.95	17.95
2179489	X193UA-BL	Blue	19.95	17.95

JAMECO ValuePro — Waterproof USB Video Borescope

Allows for easy surveying of hard-to-reach places with 4 adjustable LEDs on the top on the camera.

- Flexible 16' cord   • 9.8mm camera
- Webcam and photo snap function
- Works with Windows® XP, 7, Vista and Mac iOS

Part No.	Cross Ref. No.	1	5
2177707	INSPECTOR-T1 ℛ	$34.95	$31.95

JAMECO ValuePro — 8MP Webcam with Built-in Microphone and LEDs

- Fixed 4' USB 2.0 cable with in-line dimmer for the 4 LEDs
- Adjustable viewing angles
- 8 Megapixel   • 30 FPS
- Compatible w/ Skype, MSN, QQ, etc.
- Digital zoom functions with downloadable software

Part No.	Cross Ref. No.	1	5
2192659	SZ-T01UA-WT	$19.95	$17.95

Pan & Tilt Assembly

- For horizontal surface mount
- Aluminum multifunction bracket

2157870: • Mini pan & tilt kit
- 15kg/cm @ 4.8V   • Rotation: 0-180°

2144518: • 5.5kg/cm @ 6.0V
- Ball bearing servos
- 100-800mA
- Rotation: 0-180°

2144518

Part No.	Mfr.	Mfr. Part No.	1	10
2157870	Dagu	RS002B	$14.95	$13.95
2144518	DFRobot	FIT0045	35.95	33.95

Handbooks, Project Guides & Reference Books

Forrest M. Mims III Engineer's Guides

⭐ Web Code: FMB

One of the most widely read electronics authors in the world, Forrest M. Mims III has written over 60 books and has been honored twice for excellence by the Computer Press Association. "Getting Started in Electronics" has sold more copies than any other book on the subject. It is a complete electronics course in just 128 pages! Mims teaches the basics and takes you on a tour of analog and digital components. He explains how they work and shows how they can be combined for various applications.

2112743   2112778   2112786
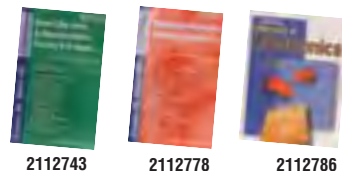
Part No.	Description	Pages	Price
2112743	Forrest M. Mims III Engineer's Guide to Electronics Volume I: Timer, Op Amp, Optoelectronic Circuits & Projects	124	$13.95
2112751	Forrest M. Mims III Engineer's Guide to Electronics Volume II: Science & Communication Circuits & Projects	140	13.95
2112760	Forrest M. Mims III Engineer's Guide to Electronics Volume III: Electronic Sensor Circuit & Projects	144	13.95
2112778	Forrest M. Mims III Engineer's Guide to Electronics Volume IV: Electronic Formulas, Symbols & Circuits	192	13.95
2112786	Forrest M. Mims III Getting Started in Electronics, A Complete Electronics Course	128	19.95

Handbooks, Project & Reference Books

Whether you're an engineer or hobbyist, Jameco has the book for you. Jameco offers a broad selection of reference books, project books and pocket handbooks to guide you through all of your projects A through Z! Don't see what you need below? Be sure to check out our website for our complete selection of reading material.

⭐ Web Code: BKS

NEW MARKED IN PINK

2175980   2146337   141330   2208500   2204138   357659   2204120   2204146   2168384   2181440

Part No.	Description	Pages	Price
2193854	Getting Started with BeagleBone. Linux-powered projects with Python and JavaScript. Also covers BeagleBone Black.	144	$14.95
2175980	Getting Started with Raspberry Pi. Covers uses with Arduino, create Web-connected projects and programming with Python & Scratch.	176	14.95
2146337	Getting Started with Arduino. 2nd Edition. Provides a thorough introduction to the popular open source electronic prototyping platform.	180	14.95
2208500	Getting Started with Intel Galileo. Learn about the x86 board developed by Intel and Arduino. Explore all its features and power.	194	17.95
141330	Muscle Wires Project Book, 3rd Edition (for more muscle wire & kits, see page 163).	128	19.95
88225	Texas Instruments TTL Databook. Databook that covers Texas Instruments TTL logic, Schottky TT circuits, CMOS logic and VSLI.	2140	19.95
2204138	Raspberry Pi Hacks. Over 60 creative hacks to help turn your Pi into a cool electronics project.	400	24.95
2208489	Beginning NFC: Near Field Communication with Arduino, Android and PhoneGap. Learn how to write NFC applications.	246	29.95
357659	Mondotronic, Muscle Wire Project Book Sample kit includes 20 cm of 075LT and 40 cm of 100LT & 150LT muscle wire. ℛ	128	32.95
2204120	Make: Electronics. Learn about key electronic components and their functions within a circuit. Full color.	352	34.95
2204146	Raspberry Pi Cookbook. Over 200 recipes for running Linux, programming with Python and hooking up sensors.	414	39.95
2208497	Make: AVR programming. Learn to write software for hardware and build projects like Cylon Eyes, AM radio and more.	472	44.95
2168384	Arduino Cookbook (2nd edition). With more than 200 tips on building, programming and enhancing a wide variety of prototypes.	726	44.95
2181440	ARRL Antenna Book (22nd edition). With updated, new content and projects including mobile antennas, building towers and more.	936	49.95

Computer

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.
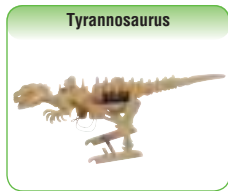
Tyrannosaurus

242923

Construction Robot

358272

Mini Robot

2150619

Running Micro Bug

200328

Crawling Micro Bug

200336
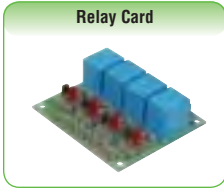
Relay Card

239476

Line Tracking Mouse

386708

Relay Switch

2130600

Snail Robot

358352
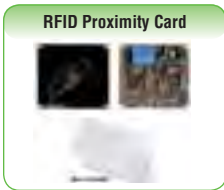
RFID Proximity Card

2123936

Titan Tank

2128374

Terrain Tracked Robot

2128331

Robotic Arm

2095023

Mr. General

2150580

3pi Robot

2136403

J-Bot v2.0

2157124

littleBits **Electronic Modules That Snap Together**

NEW MARKED IN PINK

2196705

littleBits are bite-size circuit-boards (not edible!) designed with specific functions that click together with magnets. There is no soldering, no programming and no wiring; just snap together for endless learning and fun.

2196705: 18 color-coded modules including a sound trigger, light wire, a DC and servo motor, RGB LED, buzzer, button, pulse, slide dimmer, latch, inverter, power plug & more.

2196713: Synth Kit collaboration with KORG. Make a Keytar or your own modular synthesizer w/ 12 modules, such as signal generator, oscillator, keyboard, sequencer, filter, envelope, speaker and more.

Part No.	Mfr Part No.	Description	Price
2196705	650-0121ℛ	Deluxe kit builds 15 projects with 18 bits, 9V battery and cable included	$199.95
2196713	650-0124ℛ	Synth kit builds 10 projects with 12 bits, 9V battery and cable included	159.95

ExtrusionBot: The Personal Filament Maker

- Mix custom colors, ABS or PLA
- 1.75mm or 3mm extruder nozzle options
- Small footprint: 8"L x 8"W x 23"H
- Includes spooling mechanism
- Colorants are ABS and PLA compatible
- Produce up to 3 feet per minute!

★ **Web Code: ENB**

Part No.	Description	Price
2208665	1.75mm model, 110VAC ..	$639.95
2208673	3mm model, 110VAC	639.95
2208657	Black spool for up to 1KG	24.95
2208606	Raw ABS pellets, natural, 1lb	5.95
2208614	Raw PLA pellets, natural, 1lb.	5.95
2208585	Black colorant, makes 2-4 lbs.	5.95
2208577	Blue colorant, makes 2-4 lbs.	5.95

NEW MARKED IN PINK

velleman **3D Printer Kit**

Print objects using 3mm PLA or ABS plastic filament wire at high speeds and precise construction.

- Technology: FFF (Fused Filament Fabrication) for PLA and ABS
- Maximum print speed: 150 to 300 mm/s (depending on the object to be printed)
- Typical printing speed: 120 mm/s
- Printable area dimensions: 7.87"W x 7.87"D x 7.87"H
- Software: Repetier v0.84 and up, www.repetier.com
- Size: 19.7"W x 16.5"D x 24.4"H • Wt.: 19.84 lbs.

Includes: 5 meter PLA black sample

★ **Web Code: TDP**

Part No.	Description	Price
2184561	DIY 3D printer kit, assembly required ...	$799.95
2184667	1kg spool, black (3mm PLA filament)ℛ ..	36.95
2184739	1kg spool, white (3mm PLA filament)ℛ ..	36.95

velleman ⬡Pololu **Electronic Kits**

Robotic and Computer Control Kits

★ **Web Code: ERK**

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	5
242923	21-601	Mechanical Wooden Tyrannosaurus kit	116	BEG	1.5 x 3 x 6.5	0.9	$14.95	$13.49
2111960	535-USBℛ	USB Arm controller for P/N 2095023	1	BEG	5.5 X 1.8 X 7.5	0.3	34.95	29.95
358272	70162	Design a robot w/ this RC Robot Construction set! Lift, scoop and drop all kinds of stuff.	144	BEG	6.5 x 3.5 x 3	1.0	46.95	42.95
2150619	RS014-USB	2-in-1 Mini Robots include IR compound eye, 4 mini servos and universal remote. Tools included	22	BEG	3 x 3 x 5	1.0	59.95	54.95
200328	MK127	Light-Following Running Micro Bug kit	26	INT	4.0 x 2.4	0.2	9.95	9.49
200336	MK129	Light-Seeking Crawling Micro Bug kit	29	INT	4.0 x 2.4	0.2	13.95	12.49
239476	K2633	Relay Card kit (req. pwr supply P/N 133891 pg 96)	29	INT	3.0 x 2.7	0.4	14.95	13.95
386708	21-880	Line Tracking Robot Mouse (solder required)	130	INT	3 x 3 x 3	0.9	22.95	20.95
2130600	K8015ℛ	Multi-function Relay Switch with 14 different functions and pushbutton control	37	INT	3.4 x 1.5 x 1.0	0.5	23.95	21.95
358352	75020	Line Tracing Snail Robot kit	40	INT	6.9"H	2.0	36.95	32.95
2123936	MK-179ℛ	RFID Proximity Card Reader kit, include 2 tags EM4100 compatible (more tags on pg 158)	52	INT	2.6 x 2.4 x 0.8	0.5	32.95	29.95
2128374	21-531N	Titan Tank kit, IR remote control, 4-ch selection for battle, 4xAA & 4xAAA batteries required	121	INT	6.5 x 6.5 x 3.6	1.5	34.95	32.95
2128331	OWI-536ℛ	3-In-1 All Terrain Tracked Robot; transform to a forklift, rover or gripper; wired remote control	120+	INT	—	2.2	45.95	42.95
2095023	OWI-535	Robotic Arm. 5 DoF, base rotates 270˚. Lifts 100g. 12.6" reach	87	INT	6.3 x 15 x 9	2.5	49.95	46.95
2150580	RS002	Mr. General mobile robot platform features compound IR eye, 2 servos for pan/tilt and 2 cont. rotation servos. MCU & batteries not included	206	INT	7.5 x 4.8 x 4	1.5	59.95	54.95
2136403	975ℛ	3pi Robot with 2 gear motors, 5 reflectance sensors, LCD, buzzer, connected to an ATmega328 microcontroller	1	INT	3.7" Dia.	0.18	99.95	94.95
2140285	J-BOT	Build your own very own customizable robot with ultrasonic sensors, 4WD platform, breadboard, MotorShield kit and much more	22	INT	9.5 x 7 x 8	3.6	144.95	134.95
2157124	J-Bot v2ℛ	Build your customizable mobile robot with ultrasonic sensor, 4WD chassis, breadboard, and Romeo microcontroller w/ built-in motor control	17	INT	9.5 x 7 x 8	3.8	144.95	139.95
2130491	K4305ℛ	20-LED Stereo VU Meter. -20dB to +3dB, 10-15VDC/0.25A via solder pad	45	INT	1.5 x 2.7 (x2)	0.5	29.95	27.95

Continued on next page

Edu & Hobby

JAMECO KitPro **velleman** ## Electronic Kits (Continued)

Evil Mad Scientist

NEW MARKED IN PINK

Robotic and Computer Control Kits (Continued)

★ Web Code: ERK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
2157116	258ℛ	Egg-Bot Deluxe is an open-source robotic arm that can draw on spherical shapes like eggs, ping-pong balls, golf balls and christmas ornaments up to 4.25" diameter. No soldering/programming required. PC/Mac required to create designs	126	INT	11 x 7.5 x 6	2.8	$199.95	$174.95
386610	21-886	Terrain Escape Robot kit with infrared emitting diode and receiver module (4 x AAA required)	86	EXP	5 x 5 x 5	0.9	22.95	19.95
2123952	K8090ℛ	8-ch. USB Relay Card. Up to 16A/relay, can use with iPhone application. Assembly required	124	EXP	6.3 x 4.2 x 1.2	1.0	69.95	64.95
2190101	RS032	Playful Puppy Quadruped Robot w/ 10 servo motors. Arduino compatible. (7.4V @ 2.2Ah LiPo recommended P/N 2167787, see web)	85+	EXP	7 x 4.5 x 5	1.3	149.95	139.95
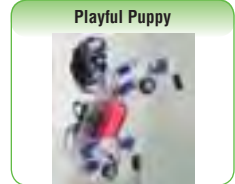
Audio Transmitters, Amplifier, Sound Generator and Detection Kits

★ Web Code: AAK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
2136956	MK104ℛ	Electronic Cricket kit. Activated by darkness; effect, tone and light sensitivity adjustable	25	BEG	2.2 x 1.6 x 1.0	0.11	$7.95	$7.49
2131012	MK120ℛ	Infrared Light Barrier kit with 85dB audible alarm and visible LED alert	46	BEG	2.2 x 1.6/3.9 x 2.0	0.18	9.95	8.95
2130984	MK136ℛ	Super Stereo Ear audio amplifier boosts sound up to 50 times louder	35	BEG	2.4 x 2.1 x 1.7	0.15	9.95	8.95
2130731	MK171ℛ	Voice Changer kit. Add effects to your voice with robotic, vibrato, high-low effects and more	36	BEG	3.0 x 1.8	0.11	12.95	11.95
2130870	MK113ℛ	Siren Sound Generator. 4 different sounds with pitch adj. 9V battery required	17	BEG	2.4 x 1.6	0.1	12.95	11.49
2123944	MK-182ℛ	Digital Echo Chamber kit. Echo effect, line-in & out, output 8Ω, 500mW (9V required)	63	BEG	3.35 x 2.76 x 0.78	0.5	24.95	21.95
285624	RS-TGI	Build your own Telegraph. Send an SOS!	9	BEG	3.0 x 3.0 x 3.3	1.3	49.95	47.49
2135751	AP-MP3	MP3 playback module. MP3/PCM/WAV supports up to 32GB micro SD	1	BEG	2.5 x 2.0	0.2	99.95	94.95
147571	MK103	Voice Activated kit. Requires 8-15VDC Power Supply or 9V battery, sound activates 4 flashing LEDs	33	INT	2.5 x 1.6 x 1.4	0.1	6.95	6.25
662670	EBST-11	Audio Stereo Amplifier kit. 1 watt (9V required)	32	INT	2.8 x 2.3	0.2	9.95	8.95
117612	K1803	Univ. Mono Pre-Amp kit (req. 10-30VDC pwr supply)	17	INT	1.2 x 1.8	0.3	10.95	9.95
151204	AA-1	Super Snooper Big Ear Audio Amplifier kit (9V req.)	17	INT	1.8 x 1.0 x 0.6	0.1	10.95	9.95
127255	K4001	7-Watt Amplifier kit. Requires 15VDC @ 500mA power supply, music output power: 7 watts, 4Ω	22	INT	2.2 x 1.4	0.3	15.95	14.95
211772	MK118	FM Radio kit, 88-108MHz (12VDC, 2.1mm req.)	65	INT	4.8 x 3.3	0.3	24.95	23.49
151239	FMST-100	FM Stereo Transmitter Mini kit, 9V battery	37	INT	2.7 x 2.0	0.2	29.95	26.95
129138	K4003	30W Stereo Pwr Amp. (req. 1x 24VCT @ 2A pwr supplies)	38	INT	2.8 x 2.0	0.7	29.95	26.95
127562	K4401	Sound Generator kit with 10 unique sounds	61	INT	2.8 x 2.8	0.4	29.95	27.95
2120815	K8098ℛ	Audio Analyzer, display EMS/peak power, mean/peak dB, audio spectrum	73	EXP	5 x 2.5 LCD	0.6	66.95	62.95
2120823	K8095ℛ	MP3 Player kit, create your own jukebox, sound effects, mp3 and more! SD card operation, Hi-quality VLSi decoder, vol. control, up to 32GB, up to 1024 folders with 16,348 songs each	100	EXP	5.11 x 3.9	0.7	74.95	69.95

Test and Measurement Kits

★ Web Code: TMK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
2136930	MK105	Signal Generator. 1KHz fixed freq. 0-100mVrms pot adj. 9V battery required	30	BEG	2.2 x 1.6	0.1	$8.95	$7.95
662725	EBLOG-300A	Logic Probe kit. 3V-16VDC, detect high, low, pulse signal	14	BEG	4.0"L x 0.75"Dia.	0.1	10.95	9.95
2181343	M-2666K	Deluxe Digital Multimeter kit. 3½-digit display and AC/DC current up to 20A	135	BEG	7.5 x 3.5 x 1.3	1.8	41.95	39.95
2119662	SL004ℛ	Electronics Discovery kit. 16+ projects work with LEDs, switches, buttons, sensors	130	BEG	10 x 6.7 x 3	1.0	49.95	44.95
129091	K7102	Metal Detector kit. Sensitive within 8cm (req. 9V battery)	22	INT	2.1 x 2.1	0.4	15.95	14.49
20685	JE2206	Function Generator kit. 1-100kHz in 4 ranges	21	INT	4.1 x 1.5	0.1	27.95	24.95

Egg-Bot Deluxe
2157116

Terrain Escape Robot
386610

USB Relay Card
2123952

Playful Puppy
2190101

Electronic Cricket
2136956

IR Light Barrier
2131012

Super Stereo Ear
2130984

Voice Changer
2130731

Siren Sound Generator
2130870

Digital Echo Chamber
2123944

Telegraph
285624

MP3 Playback Module
2135751

Digital Multimeter
2181343

Stereo Power Amplifier
129138

Sound Generator
127562

Audio Analyzer
2120815

MP3 Player
2120823

Logic Probe
662725

Electronics Discovery
2119662

Metal Detector
129091

Edu & Hobby

JAMECO.COM

Electronic Kits (Continued)

JAMECO KitPro | **velleman** | **NEW MARKED IN PINK**

Power Supply and Motor Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
2115750	34020ℛ	Breadboard Vreg kit. 6-18Vin, 5V @ .5A out, 2.1mm jack	12	BEG	2.2 x 0.6	0.1	$7.95	$7.49
2159349	DFR0123	DC-DC boost converter. Input: 3.7-34V, Output: 3.7-34V. 15W max.	1	BEG	1.3 x 1.4	0.1	7.95	7.49
181833	VM-1	DC Voltage Monitor kit with 7 LED display	46	BEG	2.7 x 1.3	0.2	9.95	8.95
2119751	C-8051	Adjustable Gear Motor kit. 4k-14k RPM	22	BEG	4.3 x 4.9	0.2	11.95	11.49
2184229	815ℛ	16-channel 12-bit PWM/servo driver with I²C interface. PCA9685. 5V tolerant	7	BEG	2.5 x 1	0.1	16.95	15.95
117621	K1823	1.5A @ 1.5-35VDC Power Supply kit	12	INT	2.1 x 2.1	0.3	13.95	11.95
2137166	K8042ℛ	Symmetric 1A Power Supply kit. Output of 1.2-18VDC depends on AC transformer (not incl.) see web	46	INT	3.1 x 2 x 0.9	0.5	16.95	15.95
20626	JE215	Dual Adjust Regulated Power Supply kit, 5-15VDC	48	INT	5.1 x 3.5 x 2.0	2.1	29.95	26.95
127829	GMC-1102	Motor Speed Control kit. Powers up to 5A @ 100VDC	35	INT	3.6 x 2.3 x 1.2	0.3	39.95	36.95
358248	70097	Twin Motor Gearbox kit. 58:1 & 203:1	61	EXP	3.0 x 4.0	0.3	11.95	10.95
120539	K8004	DC Pulse Width kit. Proportional DC to PWM	40	EXP	3.3 x 1.9 x 1.8	0.5	23.95	21.95

Distance and Light Kits

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
2131207	MK135ℛ	Electronic Decision Maker kit. Rapidly flashes lights untill it slowly stops at one	19	BEG	2.2 x 1.2 x 1.4	0.1	$6.95	$6.25
2136964	MK131ℛ	4-way Traffic Light kit. 12 LEDs with realistic operating and adjustable delay	63	BEG	2.0 X 1.4 X 4.5	0.2	8.95	7.95
236081	MK145	Halloween Pumpkin with 25 yellow LEDs	71	BEG	2.48 x 2.24	0.2	13.95	12.95
147635	MK100	Flashing Christmas Tree kit. 16 LEDs (req. 9V batt.)	30	BEG	4.0 x 2.4 x 1.0	0.1	7.95	7.49
2136999	MK112ℛ	Electronic Brain Game kit just like Simon Says. Features visible and audible modes. 4 skill levels. 3xAA not included.	28	BEG	2.0 x 2.6	0.2	9.95	8.95
2130933	MK147ℛ	Dual white LED stroboscope creates a powerful flash effect. Speed adjustable 1-60 flashes/sec. 9V battery not included.	21	BEG	2.2 x 1.3 x 1.6	0.1	9.95	8.95
2130802	MK150ℛ	Shaking Dice kit. Just give it a shake and the LEDs will automatically light a value	23	BEG	3.0 x 1.8	0.2	13.95	12.49
157964	LED1007	Infrared Illuminator kit. 13.2VDC, 8' dia. @ 24'	41	BEG	2" Dia.	0.1	13.95	12.95
2136534	091ℛ	Larson Scanner kit. Create the scanning LED effect from Battlestar Galactica or Night Rider	22	BEG	5.0 x 1.5 x 1.0	0.1	13.95	11.95
2136542	080ℛ	Deluxe Menorah kit. (9) 10mm yellow LEDs, press button to light another candle, soldering required	28	BEG	5.0 x 1.5 x 4.25	0.1	15.95	13.25
2123928	MK149ℛ	Love Tester kit. 10-LED "love level" indicator	44	BEG	4.1 x 3.1 x 1.0	0.2	16.95	15.95
2128286	MK172ℛ	60 LED Sund Star. "VU-meter" flash to audio	113	BEG	4.2 x 4.4 x 1.4	0.1	19.95	18.95
2137191	MK119ℛ	Game of Roulette. 37 LEDs, a spinning sound and "winner" tune for each color. Pushbutton operation	66	BEG	3.6 X 1.3	0.2	19.95	18.95
211764	MK116	Santa Sleigh and Reindeer kit (req. 9V battery)	201	BEG	5.7 x 3.2	0.1	24.95	22.49
2128278	MK170ℛ	60 LED Star, 24 flashing patterns, soldering req.	94	BEG	4.1 x 4.3 x 1.4	0.1	24.95	22.95
147580	MK102	Flashing LED kit. 2 red 5mm LEDs, requires 9V battery	23	INT	1.3 x 1.4 x 0.6	0.1	4.95	4.49
147555	MK101	Flashing LED Sweetheart kit. Flashes 25 T1 (3mm) red LEDs, requires 9V battery	46	INT	1.3 x 2.3 x 1.3	0.1	9.95	8.95
211781	MK130	3D Flashing Christmas Tree kit. 16 LEDs	36	INT	3.1 x 3.5 x 4.0	0.1	8.95	7.95
2150694	MK183ℛ	USB Surface Mount Christmas Tree kit. 7 bright SMD LEDs	27	INT	2.48 x 2.24	0.07	14.95	13.49
200310	MK124	Scrolling Message kit. 16 characters	76	INT	3.5 x 2.6 x 1.8	0.2	19.95	17.95
177092	IR-10	Infrared Transmitter & Receiver kit (req. 9V battery)	26	INT	1.0 x 0.8	0.1	22.95	19.95
147643	K4304	10-LED Mono VU Meter kit	36	INT	2.7 x 1.4	0.3	23.95	19.95
236072	MK117	Deluxe Christmas Tree kit. 134 LEDs	208	INT	3.2 x 5.6	0.2	26.95	24.95
129120	K3502	Parking Radar kit. Adjustable 2"-59"	55	INT	4.9 x 1.9	0.5	42.95	39.95
2136551	800820ℛ	Meggy Jr. RGB. Develop a handheld pixel-scale video game, 8x8 RGB matrix, includes one pre-programmed game, reprogrammable	80	INT	6.0 x 1.5 x 3.5	0.9	74.95	69.95
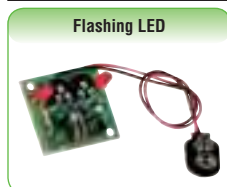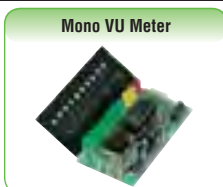
Breadboard Voltage Regulator — 2115750

Symmetric Power Supply Kit — 2137166

Dual Adjust Power Supply — 20626

Twin Motor Gearbox — 358248

Electronic Decision Maker — 2131207

4-Way Traffic Light — 2136964

Halloween Pumpkin — 236081

Brain Game — 2136999

LED Stroboscope — 2130933

Shaking Dice — 2130802

Larson Scanner — 2136534

LED Sound Star — 2128286

Game of Roulette — 2137191

Santa Sleigh and Reindeer — 211764

Flashing LED — 147580

Flashing Christmas Tree — 211781

Infrared Tx/Rx — 177092

Mono VU Meter — 147643

Parking Radar — 129120

Meggy Jr. RGB — 2136551

Edu & Hobby

★ *For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

Electronic Kits (Continued)

NEW MARKED IN PINK

ELENCO
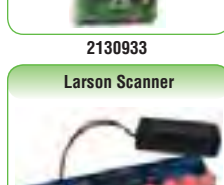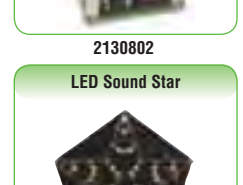
Alternative Energy – No Batteries Required

★ Web Code: NRG

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
2150424	DG-S001	Solar Man Walking Robot	18	BEG	1.8 x 2.2 x 3.5	0.2	$9.95	$8.95
2112006	MSK670ℛ	Frightened Grasshopper kit. Solar powered	7	BEG	1.75 x 1.0 x 0.6	0.1	10.95	9.95
2128340	OWI-750ℛ	Salt Water Fuel Cell Car. Magnesium metal sheet (3 incl.), provides 5-7 hrs continuous play	20	BEG	3.0 x 1.6 x 0.7	0.5	12.95	11.95
2097521	MSK610ℛ	6-in-1 Educational Solar kit. Create a solar car, airboat, windmill & more, no tools required	33	BEG	4.75 x 2.4 x 3.4	0.5	17.95	16.95
2112090	MSK679ℛ	The Solar System Solar kit. Build, paint and watch the solar system come to life using solar energy	70	BEG	4.4 x 3.7 x 3.2	0.5	17.95	15.95
2111986	MSK614ℛ	T3 Transforming Solar Robot. Create a solar tank, scorpion or robot	71	BEG	9.8"Dia. x 3.6"H	0.5	17.95	16.95
2144382	EDU02ℛ	Solar Energy Experiment kit. 10 projects	13+	BEG	3.15 x 2.36	0.5	27.95	24.95

Time and Clock Kits

★ Web Code: TCK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
2170839	264	Real Time Clock Breakout Board. Includes PCB, battery and header	8	BEG	0.95 x 1.2 x 0.2	0.01	$9.95	$9.49
2157079	MTRTC001ℛ	ChronoDot Real Time Clock module (DS3231SN)	4	BEG	1.2"Dia.	0.4	15.95	14.95
2187323	MK188ℛ	1 second to 60 hour pulse-pause timer. Relay: 16A max. Use 12-24VDC via terminals	30	BEG	3.2 x 1.8 x 0.9	0.2	19.95	18.95
2130520	VM141ℛ	Start-Stop Timer kit with a wide timing range, easy time setting, LED animation during operation and on-board start-stop buttons	40	BEG	2.8 x 1.8 x 0.8	0.2	29.95	27.95
2150601	TK001	LCD clock training kit displays messages and builds an alarm clock. Comes w/ all components including ATMega8A pre-programmed microcontroller	24	BEG	7.3 x 4 x 1.5	1.2	69.95	64.95
2184237	TK1106	Timesquare DIY wristwatch kit with red 8x8 display matrix and silicone watch band. Hackable!	20	INT	1.5 x 1.5	0.2	29.95	28.95
2136569	950+966ℛ	Desk/mantle LED shadow clock with 12 red, 30 green, and 30 blue LEDs to mark hours, minutes, and seconds	147	INT	8.8 x 2.3 x 4.5	1.1	79.95	74.95
2157087	280ℛ	Alpha Clock Five. Alphanumeric LED alarm clock with Chronodot RTC module. 2.3" tall digits. 12/24 hr modes	103	INT	9.4 x 2.8 x 3.8	2.2	144.95	134.95

Miscellaneous

★ Web Code: ERK

Part No.	Mfr. P/N	Description	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 5
358310	70098	Universal plate set for P/N 358299 (below)	25	BEG	2.4 x 6.3	0.1	$7.95	$6.95
358299	70100	Tank Track and Wheel set. 3 track lengths	40	BEG	—	0.5	9.95	8.95
2119734	C-9701	20 second voice recorder, assembled, 1 msg.	1	BEG	1.4 x 0.9 x 0.5	0.1	12.95	11.95
2161617	SP-1A	Learn to Solder Flashing Siren kit. Same as P/N 2124218 (below), w/o 25W iron and wire cutters	23	BEG	4.9 x 2.5	0.3	10.95	9.95
2124218	MKEL4ℛ	The Learn to Solder Flashing Siren kit teaches you the basics of soldering & includes 25W iron, wire cutters and solder. 9V battery not included	25	BEG	4.9 x 2.5	0.8	18.95	17.95
2124200	FO-30Kℛ	This kit teaches the fundamentals of fiber optics. You can transmit your voice or a 1kHz signal through the 3 ft. fiber optic cable	56	BEG	Rx: 1.3 x 4 x 1 Tx: 1.3 x 4 x 1	0.4	21.95	20.95
2168481	5060322 452104	Glowing Paper House Kit, with electric pen P/N 2168464 photoresistors, LEDs, transistors & batteries.	17	BEG	3.0 x 3.0 x 3.0	0.46	32.95	29.95
2143865	ROV5-1ℛ	Rover 5 Tracked Chassis. Height adjustable by 1.5" and has max speed of 10 in/sec. 87:1 gears.	5	BEG	9.5 x 9 x 3	2.2	49.95	44.95
2161609	MX909	500-in-1 Electronic Projects Lab kit. Includes manual manual & detailed instructions. 6xAA batteries not included	200	BEG	16 x 24 x 4	11	259.95	249.95
2114520	70108	Tracked Vehicle Chassis kit. 2 gear ratios, 58/203:1	57	INT	2.8 x 2.4 x 1	0.6	19.95	18.95
2114546	70168	Double Gearbox, 4-speed, independent left/right	116	EXP	2.8 x 2.4 x 0.9	0.3	12.95	11.95
2146572	VM110Nℛ	Control your electronics from your computer w/ this USB Interface, 7 inputs and 10 outputs	1	EXP	5.7 x 3 x 0.8	0.6	89.95	79.95

Solar Man Walking Robot
2150424

Frightened Grasshopper
2112006

Salt Water Fuel Cell Car
2128340

Solar Education Bundle
2097521

Sun-Powered Solar System
2112090

Solar Energy Experiment
2144382

Real Time Clock Board
2170839

Real Time Clock
2157079

LCD Clock Training
2150601

LED Wristwatch
2184237

Bulb Dial Clock
2136569

LED Alarm Clock
2157087

Voice Recorder
2119734

Solder Flashing Siren
2161617

Fiber Optics
2124200

Tracked Chassis
2143865

Electronic Projects Lab
2161609

Tracked Vehicle Chassis
2114520

Double Gearbox
2114546

USB Interface
2146572

Edu & Hobby

Kits and Modules

PARALLAX

Parallax provides the electronics industry and hobbyists with products that are technically innovative, unique and economical. Parallax designs and manufactures microcontrollers and development software, SX chips and programmers/debuggers, Propeller chips and tools, project boards, robotics kits, educational tools and sensors. Not sure where to begin? Try a starter kit to familiarize yourself with the BASIC Stamp or Propeller microcontroller.

Kits, Protoboards and Development Boards – BASIC Stamp Series

★ Web Code: MBS

Part No.	Mfr. Part No.	Description	1	5
661116	27297ℛ	StampWorks Experiment kit, 35 projects based on the BASIC Stamp, includes Parallax Professional Development Board	$289.95	$264.95
2134871	32225	Understanding Signals w/ the PropScope, USB oscilloscope and test components. Learn to generate, view, and measure a variety of wave forms. BOE & BASIC Stamp 2 required	229.95	219.95
387997	28832ℛ	USB BOE-BOT full kit, completely reprogrammable and uses a BASIC Stamp module, expandable for different robotic projects	169.95	149.95
282933	28132	Serial BOE-BOT full kit, completely reprogrammable and uses a BASIC Stamp module, expandable for different robotic projects	169.95	149.95
387971	27807	BS2 Educational Starter Kit, USB version, includes Board of Education, BASIC Stamp 2 module & guide to complete over 40 activities	159.95	149.95
282829	27207ℛ	BS2 Educational Starter kit, serial version, includes Board of Education, BASIC Stamp 2 module & guide to complete over 40 activities	159.95	149.95
2109165	28803ℛ	Board of Education full kit, USB version, includes carrier board, BASIC Stamp 2 module, designed for those already familiar with programming Stamp modules	99.95	89.95
2109202	90005ℛ	BASIC Stamp activity kit, learn electronics and programming, includes What's a Microcontroller guide and components for over 40 hands-on activities, includes USB to serial adapter & homework board w/ BASIC Stamp 2 MCU	79.95	74.95

Kits, Protoboards and Development Boards – Propeller Series

★ Web Code: MBS

Part No.	Mfr. Part No.	Description	1	5
2191998	32500	ActivityBot Robot kit teaches programming the multicore Propeller in C with easy to follow tutorials. High speed servos with optical encoders, PING sensor, mini audio jack & XBee header. No soldering required.	$199.95	$189.95
2007126	32111ℛ	Propeller Professional Development Board, 40-pin DIP socket for P8X32A-D40, variety of LEDs, buttons and typical devices and circuitry are built in for rapid project development, USB interface	159.95	154.95
2151494	40000ℛ	P8X32A Propeller QuickStart Board. A great way to familiarize yourself with the power multi-core Propeller chip. 64KB EEPROM, 8 blue LEDs, 8 resistive-touch buttons, 32 I/O, USB powerd. Open hardware design	34.95	32.95

Sensors, Modules & Accessories

★ Web Code: PXS

Part No.	Mfr. Part No.	Description	1	5
2007185	28028ℛ	Sensor sampler kit includes accelerometer modules, humidity/temp, flexiforce, PING ultrasonic, proximity (PIR), ColorPal, piezo film vibra tab, and QTI sensors	$174.95	$169.95
2111935	32213ℛ	X-band motion detector. Detection from 8-30ft. 10.525 GHz, 4-pin SIP interface, 5VDC	39.95	36.95
2150230	29174ℛ	Altimeter sensor module with SPI & I2C bus interface, 24-bit barometric pressure and temperature output	29.95	26.95
2150221	27911ℛ	3-axis gyroscope module w/ embedded temperature sensor. I2C/SPI, 2.7-6.5VDC	29.95	26.95
282870	28017ℛ	2-axis Accelerometer, measures ±3g on each axis, simple pulse output of g-force for each axis, 6-pin DIP module, analog output for temperature	29.95	26.95
2109667	28526ℛ	3-axis accelerometer, digital output, SPI or I2C, sensitive select ±2g/±4g/±8g	29.95	26.95
282861	28015	Ping Ultrasonic Range/Distance Finder, 0.5" – 10 ft., 5VDC, 3-pin header	29.95	26.95
2109413	570-28015ℛ	PING Mounting Bracket kit, includes Parallax standard servo, use w/ 282861	29.95	26.95
2127081	28380ℛ	ColorPAL color/light sensor, detects a full range of colors and outputs data as RGB components	23.95	21.95
2109245	28031ℛ	USB to Serial (RS-232) Adapter, DB9 male socket, includes USB-A to mini-B cable, USB 1.1 and 2.0 compatible	19.95	17.95
2109456	28030ℛ	USB to serial (RS-232) adapter, DB9 male & USB mini-B port, use cable 2081481	16.95	15.95
2082935	32313	SD card adapter, SPI communication. Uses SMT components. Soldering required	15.95	14.95
2150256	28995ℛ	Sharp IR distance sensor GP2Y0A21YK0F, 10-80cm, 5V operation, 3-pin JST male header	15.95	14.95
2082927	555-28027	PIR Sensor kit, single bit high/low output, detection range up to 20 ft.	12.95	11.49
2205018	28032ℛ	Wide angle PIR sensor, 180°, range up to 30 ft., 3-6VDC	12.95	11.95
2082855	27800	Modular 2-axis joystick, dual 10k pot with common ground, 1.64" x 1.2" x 1.1"	8.95	7.95
2082901	27920	HS1101 Humidity Sensor, 5VDC to 10VDC, 0.25"x0.40" Dia., -40°F to 212°F	9.95	9.49
2109691	350-00014ℛ	Infrared receiver, 38kHz carrier freq. found in Boe-Bot and SumoBot kits	5.95	5.39
2109624	28109ℛ	Boe-Bot/SumoBot wheel & tire set, 1 wheel & 2 rubber band tires	5.95	5.39
2151451	604-00085ℛ	TSL237 light to frequency converter, 3-pin SIP, 320 to 1050nm, 2.7-5.5VDC	3.95	3.75
2109763	605-00004ℛ	Piezo film vibration sensor, use as flexible switch, freq. responce device	2.95	2.69
2129844	GP1UA287RKℛ	56.8kHz IR detectiing unit for remote control (Sharp)	1.25	.99
2129772	GP1UM287RKℛ	56.8kHz IR detectiing unit for remote control (Sharp), anti EMI noise type	1.49	1.25

661116   2134871   387997

282933   387971   282829

2109165   2109202   2007126

2151494   2007185   2111935

2150230   2150221   282870

2109667   282861   2109413

2127081   2109245   2109456   2082935

2082927   2205018   2082855   2082901

2109691   2109624   2151451

2109763   2129844   2129772

Edu & Hobby

★For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

RFID, Wireless Interface Devices & Embedded Neworking Solutions

RFID Read/Write Modules and Tags

Use these modules for a variety of hobbyist and commercial applications, including data storage, access control, user identification, robotics navigation, inventory tracking, payment systems, car immobilization or security systems.

PARALLAX

★ *Web Code: RAD*

Part No.	Mfr. Part No.	Description	1	5
2109739	28141	RFID passive tag, 54mm x 85mm rectangle, EM-4100 family	$3.49	$3.29
2109851	28161	RFID passive tag, blue eye key fob, EM-4100 family	2.95	2.75
2123514	28440	RFID read/write module, serial, use card 2123522, supports passive tags	49.95	47.95
2007169	32390	RFID Reader kit, serial card reader, includes 4 different passive tags	49.95	47.95

2109739 2109851 2123514
2007169 2113412 2159331

Wireless Interface Devices

PARALLAX   ROBOT

★ *Web Code: WID*

Part No.	Mfr. Part No.	Description	1	5
2160753	F301-SGP-D024-01	10-position singe row female header w/ 2mm pin spacing, mates w/ Xbee chips	$.99	$.89
2113412	32403	Xbee adapter board raw PCB with 40-pin single row header and 2mm sockets	4.49	4.25
2159331	TEL0002	USB Bluetooth v2.0 dongle, PC/MAC compatible, 33' range max. upto 3 Mbps	4.95	4.49
2123611	32401	Xbee adapter board, 3.3/5V, Vreg & Logic converter included	16.95	15.95
2129326	A000021	Xbee/Zigbee Shield for Arduino, communicate wirelessly using an Arduino board up to 300 feet outdoors	19.95	17.95
2113375	32404	Xbee PCB antenna, 1mW, 2.4GHz, 300' line of sight, 802.15.4 network	24.95	23.95
2113421	32400	Xbee adapter board, USB interface, PCB mount, 0.1" spacing, soldering required	27.95	25.95
2123581	32409	Xbee, zigbee series 2, 1.25mW, wire antenna, <400 ft. line of sight range	29.95	25.95
2144438	TEL0023	Bluetooth Bee in XBEE footprint, 30m max range, CSR BC417143, v2.0+EDR, 2.4-2.48GHz	26.95	23.95
2144446	TEL0026	Bluetooth module, 3.5-8V. v2+EDR, 2.4-2.48GHz, 30m max range, can be paired	32.95	29.95
2109384	27982	433MHz RF Transceiver module, 1200-9600bps transfer rate, 250 ft. line of sight range	39.95	37.95
2113391	32406	Xbee chip antenna, 60mW, 2.4GHz, <1 mile range line of sight, 802.15.4	41.95	39.95
2123590	32408	Xbee, zigbee series 2 pro, 63mW, wire antenna, <2 mile line of sight range	42.95	40.95
2185299	1505	Tracking Key Passive GPS Tracker, 2AAA bat., strong magnet for secure mounting under vehicle	119.95	—
2185301	1507	Tracking Key Pro Passive GPS Tracker, Flash memory, logs detailed travel activities every second	149.95	—
2185272	3000	SilverCloud Sync Real-Time GPS Tracker, Web-based GPS vehicle tracking, OBD-II port plug installation	189.95	—
2185281	2100	SilverCloud RT GPS Tracker, lithium-ion rechargeable battery, includes USB cable & wall charger	264.95	—

2123611 2129326 2113375
2113421 2123581 2144446
2109384 2113391 2185299
2185301 2185272 2185281

Embedded Networking Solutions

WIZnet   electric imp

★ *Web Code: WHZ*

Part No.	Mfr. Part No.	Description	1	5
2189636	APRIL	Electric Imp Breakout Brd, SD card socket for use w/ WiFi card P/N 2189610, 3.3V input	$12.95	$11.95
2189610	IMP001-US-R-ENG	Electric Imp - Imp Card, WiFi module, 6-pin, ~70kB RAM, 6 I/Os, 2 I²C channels, SD card form	29.95	27.95
2132664	WIZ108SR	RS-422/485 to Ethernet module, connects w/ serial device directly, 10/100 Ethernet interface	23.95	22.95
2124322	WIZ110SR	Serial to ethernet module, 10/100Mbps ethernet max 230Kbps serial	32.95	30.95
2132779	WIZFI210	Ultra low-power Serial-to-WiFi module brings WiFi connectivity via serial host interface, IEEE 802.11b/g/n compatible, up to 11Mbps	34.95	29.95
2124373	WIZ200WEB	Embedded web server module having Atmega128 & W5300, operates as HTTP server, supports 10/100Mbps ethernet	39.95	34.95

2189636 2189610 2132664
2124322 2132779 2124373

BeagleBoard Single-Board Computer Development Boards and Capes

beagleboard.org

The line of BeagleBoard development boards are low-cost, fan-less computers based on the low-power Texas Instruments processors so you can develop programs with the full-featured Linux OS. They are completely open-source and supported by a very active development community. Pair them up with the add-on capes for even more expandability and functionality.

2207970 2176131 2176122 2183963
2183947 2183955

Single-Board Computer Development Boards

Part No.	Mfr. Part No.	Description	Size (in.)	Price
2207970	BeagleBone Black	Rev. C. w/ Debian OS, 1GHz processor, 512MB DDR3L, USB2.0 port, serial interface header, microHDMI port, on-board 4GB flash, 3D accelerator	3.4 x 2.1	$54.95
2176131	BeagleBone	Rev. A6. 720MHz processor, 256MB DDR2 RAM, USB2.0 port, on-board USB-to-serial/JTAG, 3.3V I/O expansion headers, 2GB microSD card	3.4 x 2.1	88.95
2176122	BeagleBoard-xM	1GHz processor, 512MB LPDDR RAM, 4 USB2.0 ports, MMC/SD connector, DVI-D, S-Video ports, 4GB microSD card	3.25 x 3.25	148.95

Add-on Cape Boards

Part No.	Mfr. Part No.	Description	Size (in.)	Price
2183963	BB-BONE-BBBD-01	Breadboard prototyping cape with adhesive patterned prototyping area, LEDs, switches, headers and jumper wire kit	3.4 x 2.1	$29.95
2183947	BB-BONE-WTHR-01	Weather cape with I²C bus, power LED, headers, and data sensors: temperature, barometric pressure, humidity and ambient light	3.4 x 2.1	99.95
2183955	BB-BONE-LCD3-01	TFT LCD cape with 3.5" 4-wire resistive touchscreen, 320x240 resolution, 5 GPIO-mapped switch buttons and headers	4.0 x 2.5	69.95

RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Edu & Hobby

Arduino Microcontrollers, Kits, Shields & Accessories

Arduino is an open-source physical computing platform based on a simple microcontroller board. Create interactive objects that can read inputs from a variety of switches, sensors and computers to control lights, motors and other physical outputs. The shields are expansion boards that sit atop an Arduino and broaden the functions, from motor control to prototyping.

NEW MARKED IN PINK

2151259 2115768 2157765 2151486 2163778 2163840 2170222 2121148

2173706 2171436 2152366 2170767 2152294 2163794 2163815 2163858 2193441

2167736 2171188 2152438 2159277 2193459 2190581 2190590 2152391 2173829

Microcontroller Boards

Web Code: ARD

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing 1	Pricing 5
2151259	KitPro	BB-Arduino	Build an Arduino-compatible circuit, Atmega328P, assembly required, breadboard/PCB not included	—	$13.95	$12.95
2115768	Solarbotics	KARDW𝓡	Ardweeny microcontroller kit, Arduino-compatible, Atmega328, 7+ pieces, assembly/soldering req.	1.6 x 0.54	9.95	9.49
2157765	DFRobot	DFR0159𝓡	DFRduino Pro Mini V1.2 (Arduino Pro Mini compatible) MCU board with 16MHz ATmega328, 14 digital I/O pins, 8 analog inputs, reset button, and holes for mounting pin headers	1.3 x 0.7	19.95	18.95
2184261	Adafruit	659𝓡	FLORA Arduino-compatible wearable electronic platform. 3.5-16VDC, USB-mini	1.75" Dia.	26.95	25.49
2151486	Arduino	A000066𝓡	Uno Rev. 3, Atmega328 (DIP), 14 digital I/O, 6 analog I/O, USB, ICSP, 32K flash	2.7 x 2.1	27.95	24.95
2163778	Arduino	A000057𝓡	Leonardo with headers, 20 digital I/Os, 7 PWM channels, 16MHz crystal, 32k flash, 2.5k SRAM, microUSB	2.7 x 2.1	24.95	23.49
2163840	Arduino	A000073𝓡	Uno SMD Rev. 3, same as Rev.2 but has ATmega16U2 USB-Serial converter & 1.0 pinout, USB-B	2.7 x 2.1	29.95	27.95
2170222	Arduino	A000062𝓡	Due, with 32-bit ARM core MCU, 54 digital I/Os, 12 analog inputs, 4 UARTs, 84MHz clock, 512kB flash	4.3 x 2.1	49.95	48.95
2121148	Arduino	A000005𝓡	Nano v3.1, ATmega328, 14 digital I/O (6 PWM), 8 analog input, 0.6" wide breadboard-ready,USB mini-B	0.7 x 1.7	38.95	36.95
2157466	WickedDevice	NAN-USA	Nanode Kit v5, similar to Uno but has built-in Ethernet 10baseT ability. Requires FTDI device to program	2.7 x 2.1	29.95	—
2157861	Dagu	RS019	Micro Magician v2 Robot Controller. Dual H-bridge, 3-axis accelerometer, IR. Arduino-compatible	2.4 x 1.2	34.95	32.95
2173706	DFRobot	DFR0225	Romeo V2 All-in-One controller, integrated 2-way DC 2A motor driver and Xbee socket, based on ATmega32U4	3.5 x 3.3 x 0.55	39.95	36.95
2171436	Arduino	A000095𝓡	Esplora microcontroller board w/ Atmega32U4 AVR, built-in sensors, joystick, 2 Tinker kit connectors, micro USB connection, and a socket for a color TFT display	6.5 x 2.4	59.95	57.95
2152366	Arduino	A000067𝓡	Mega2560 Rev. 3, 54 digital I/O (14 PWM), 16 analog input, 256K flash. ATmega16U2 USB-Serial converter	4.3 x 2.1 x 0.6	54.95	49.95
2170767	Secret Labs	Netduino Plus 2𝓡	32-bit microcontroller w/ 22 GPIOs combined w/ SPI, I²C, 4 UARTs (1 RTS/CTS), 6 PWM channels & six 12-bit ADC channels	2.8 x 2.1	59.95	—
2152294	DFRobot	DFR0162𝓡	XBoard v2 with WIZnet Ethernet port, XBee socket and ATmega328 MCU. 8 digital I/O, 8 analog input	2.6 x 1.6	39.95	35.95
2163794	Arduino	A000060𝓡	Arduino Ethernet w/ USB2Serial converter. Uno MCU & Ethernet shield in one board. PoE ready	2.7 x 2.1	69.95	64.95
2163815	Arduino	A000068𝓡	Arduino Ethernet Rev. 3 w/o PoE module, ATmega328, µSD slot & W5100 Ethernet chip, RJ45	2.7 x 2.1	56.95	54.95
2163858	Arduino	A000074𝓡	Arduino Ethernet w/ PoE module, Rev. 3. ATmega328, µSD memory slot & W5100 Ethernet chip, RJ45	2.7 x 2.1	79.95	74.95
2193441	Arduino	A000008	Yún. Built in Ethernet & WiFi, µSD slot, 20 digital I/O. Atheros AR9331 runs Linux	2.7 x 2.1	74.95	—
2167736	DF Robot	DFR0188𝓡	Flymaple Quadcopter Controller w/ ARM Cortex-M3 MCU, 3-axis accelerometer/gyroscope/compass, & barometric pressure sensor	2.0 x 2.0 x 0.5	74.95	69.95
2121121	KitPro	KIT-GSA𝓡	Get Started w/ Arduino kit, includes book, Arduino Uno, breadboard, LEDs, switches. No solder required	—	69.95	64.95
2171188	Arduino	K000007	Arduino Starter kit includes Uno Rev. 3 & 38 other components w/ book of 15 projects to learn and build	—	99.95	—

Shields for Arduino (Arduino sold separately)

Web Code: AOS

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing 1	Pricing 5
2152438	Arduino	A000082𝓡	Arduino Prototyping Shield PCB Rev. 3, compatible with new Arduino R3 pinout. PCB only.	2.7 x 2.1	$4.49	$4.25
2159277	DFRobot	DFR0019	Prototyping shield with mini breadboard. SOIC-14 pad, ICSP header, GND/5V rails (assembled)	2.7 x 2.1	12.95	11.49
2152446	Arduino	A000083𝓡	Arduino Proto Shield Rev. 3, 2 mini pushbuttons, 3 LEDs and a few resistors. Design your own shield!	2.7 x 2.1	12.95	11.49
2193459	Arduino	A000096	1.77" TFT LCD color display w/ µSD slot, 160x128px. AVR-based Arduino compatible. 5VDC	2.33 x 1.66	26.95	—
2190581	Boardworx	SMT-600𝓡	SMD and thru-hole prototyping board, fits all standard nano-size Arduino boards, 0.5mm grid spacing	2.5 x 2.1	12.95	11.95
2190573	Boardworx	SMT-500𝓡	SMD and thru-hole prototyping board, fits all standard size Arduino boards, 0.5mm grid spacing	2.7 x 2.1	13.95	12.95
2190590	Boardworx	SMT-700𝓡	SMD and thru-hole prototyping board, fits all standard mega-size Arduino brds, 0.5mm grid spacing	4.0 x 2.1	14.95	13.95
2152391	Arduino	A000077𝓡	Arduino Proto Shield Rev. 3 (assembled). Has reset button, ICSP connector and pass-through headers	2.7 x 2.1	15.95	14.95
2152411	Arduino	A000080𝓡	MEGA Rev. 3 Protoshield printed circuit board, PCB only. For full protoshield kit, see P/N 2152420 below	4.0 x 2.1	6.49	6.25
2152420	Arduino	A000081𝓡	MEGA Rev. 3 Protoshield kit, multilayer PCB design, w/ ICSP header slot, two SOIC prototyping areas, and prototyping components: headers, resistors, LEDs, pushbuttons	4.0 x 2.1	14.95	13.49
2157458	Wicked Device	ASK1	Ardweeny Proto Shield for use with the Ardweeny (P/N: 2115768, not included.) Mini breadboard, SOIC pad & status LED included	3.1 x 2.1	16.95	14.95
2173829	Macetech	MTCEN001	Centipede add-on PCB shield, I²C interface, provides 64 GPIO pins, 5V, 2x10 headers, headers unsoldered	2.7 x 2.1	24.95	22.49
2144534	DFRobot	DFR0060	Screw Shield for Arduino. Convert female header pins to more secure screw terminals	2.7 x 1 (x2)	7.95	7.25

*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Edu & Hobby

3 LEVELS OF SAVINGS — NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Arduino Microcontrollers, Kits, Shields & Accessories (Continued)

NEW MARKED IN PINK

| 2159314 | 2127582 | 2159306 | 2163751 | 2184202 | 2140402 | 2152358 | 2152260 | 2167744 |

| 2144411 | 2152286 | 2152403 | 2159429 | 2128534 | 2157802 | 2135734 | 2136657 | 2152374 |

Shields for Arduino (Arduino sold separately) Continued

★ Web Code: AOS

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing 1	Pricing 5
2159314	DFRobot	DFR0131	Proto Screw Shield (assembled). Provides prototyping area & screw terminals for secure I/O connections	2.65 x 3.17	$15.95	$14.49
2127582	Liquidware	DoubleWide	Replicate all Arduino pins into 2 locations so you can add 2 sheilds while having access to both at the same time. Shields sit side by side	2.7 x 4.2	19.95	18.95
2159306	DFRobot	DFR0015	XBee Expansion Shield. Allows an Arduino board to communicate wirelessly with XBee 1mW, XBee Pro, or XBee 2.5 Series	2.5 x 2.4	13.95	12.95
2163751	Arduino	A000007ℛ	XBee Expansion Shield with Maxstream series 2 XBee RF module. Up to 100-meter distance transmission, fully assembled	2.5 x 2.4	59.95	56.95
2184202	Adafruit	1141	Data Logging Shield. Built in RTC & µSD slot, 3.3Vreg. Additional libraries required.	2.7 x 2.1	19.95	18.95
2140402	Arduino	A000064ℛ	Wireless Proto Shield with XBee communication support. Up to 100-ft indoors/300-ft outdoors	2.7 x 2.1	24.95	22.49
2152358	Arduino	A000065ℛ	Wireless SD Shield with µSD card slot and XBee socket. Up to 100-ft indooes/300-ft outdoors	2.7 x 2.1	29.95	27.95
2152260	DFRobot	DFR0144ℛ	Relay Shield controls up to 4 relays. Max. switching power: DC 90W or AC 360VA. Controllable with Arduino, Xbee or Bluetooth	3.25 x 2.2	19.95	17.95
2167744	DFRobot	DFR0071ℛ	SD Card Breakout Shield for standard SD and microSD cards. Switch-selectable, allows mass storage	1.5 x 1.2	13.95	12.49
2144411	DFRobot	DFR0009	LCD Shield. 16x2, HD44780 compatible. White text, blue backlight, uses LCD4Bit library	2.7 x 2.1	17.95	16.95
2152286	DFRobot	DFR0092ℛ	Graphics LCD Shield provides a 48x48 pixel display. 6 digital, 5 analog I/Os, 2.3 x 2.1 displays English or Chinese, integrates a 5 DOF joystick	2.3 x 2.1	26.95	24.95
2193651	Adafruit	1438ℛ	Motor/Stepper/Servo Shield v2.0. Supports 4 DC or 2 stepper motors. 4 H-bridges; 1.2A per bridge	2.7 x 2.1 x 0.4	19.95	18.95
2152403	Arduino	A000079ℛ	Arduino MotorShield Rev. 3. Dual full-bridge for inductive loads like relays, solenoids, DC/Stepping motors. 2A per ch., 4A max.	2.7 x 2.1	29.95	28.49
2191218	DFRobot	DFR0265	I/O Expansion Shield v7. 3.3/5V Op. select, XBee/Bluetooth-ready, SD slot, 3.3V out	2.1 x 2.1	19.95	18.95
2159429	DFRobot	DFR0165	I/O Expansion Shield for Mega with 3 XBee slots, 1 microSD slot, prototyping area, and Arduino shield headers	4.9 x 2.2	19.95	18.95
2128534	Robot Power	MEGAMOTO	High-power Motor Shield. 5-28V, 13A/30A peak, H-bridge or dual half-bridge	2.7 x 2.1 x 0.5	49.95	—
2157829	DFRobot	DRI0009ℛ	2-Amp Motor Shield. Allows drive of two 7-12VDC motors with 2A maximum current each way	2.3 x 2.2	18.95	16.95
2157802	DFRobot	DFR0105ℛ	Power Shield. Provides a voltage range from 1.25-12V with 3A peak current, supply voltage range: 4.5V-35V	2.3 x 2.3	22.95	19.95
2135734	Rogue Robotics	AP-RMPℛ	MP3 playback module without stacking headers. Module only. Supports MMC/SD/SDHC up to 32GB	2.7 x 2.1	59.95	54.95
2136657	Rogue Robotics	AP-RMP-Hℛ	MP3 playback module with stacking headers. Arduino-compatible, supports MMC/SD/SDHC up to 32GB	2.7 x 2.1	64.95	59.95
2152374	Arduino	A000072ℛ	Arduino Ethernet Shield Rev. 3 w/ µSD slot. PoE ready. Connects to LAN w/ Ethernet Library. Compatible w/ MEGA boards	2.7 x 2.1	37.95	35.95
2152382	Arduino	A000075ℛ	Arduino Ethernet Shield Rev. 3 w/ µSD slot & Power over Ethernet module. Embedded W5100 chip.	2.7 x 2.1	59.95	56.95
2157811	DFRobot	TEL0047ℛ	WiFi Shield v2.1 for Arduino. IEEE802.11b/g/n compatible, data rates: 11, 5.5, 2, 1 Mbps. Uses 3.3V	2.3 x 2.1	95.95	89.95
2163786	Arduino	A000058ℛ	WiFi Shield. Connects Arduino to the internet wirelessly, 802.11b/g networks, WEP/WPA2 personal encryption	2.7 x 2.1	89.95	86.95
2153781	Parallax	35000	Board of Education Shield. Solderless breadboard prototyping & servo ports.Works with Uno & Mega	4.0 x 3.0	34.95	29.95
2184211	Adafruit	1272	Ultimate GPS Logger Shield w/ GPS module. -165dBm, 66-CH, RTC, µSD slot. Uno-compatible	2.7 x 2.1	59.95	54.95
2167779	DFRobot	TEL0051ℛ	GPS/GPRS/GSM Module v2. 4-band, AT-commands, 6-9VDC@0.1A, embedded SMD antenna	2.8 x 2.2	99.95	94.95
2157837	DFRobot	TEL0044ℛ	GPS Shield for Arduino, w/ KickStart technology. GALILEO receiver module, built-in flash memory, antenna included	2.8 x 2.2	109.95	99.95
2153799	Parallax	130-35000	Robotics Shield kit mounts on BOE-BOT chassis (not incl.) features 40+ hands-on activities	5.0 x 3.3	134.95	124.95
2127558	Liquidware	Touchshield Slide	320 x 240 pixel resistive OLED touch screen, ATmega2560, can store sixty 128x128 images	2.7 x 2.1 x 0.5	169.95	164.95

Sensors, Accessories and Miscellaneous Kits

★ Web Code: AOA

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing 1	Pricing 5
2137756	Arduino	A000040ℛ	Header kit for shields. (2) 1 x 6 pos & (2) 1 x 8 pos, 15mm pin length, 0.1" spacing	—	$1.75	$1.59
2152180	DFRobot	DFR0062ℛ	Wii Chuck Adapter is Arduino-compatible. Inserts into connector of a Nintendo Wii Nunchuck controller. 4-pin header allows access to 2-axis joystick, 2 buttons, and 3-axis ±2g accelerometer	1.0 x 0.25	3.95	3.49
2159453	DFRobot	DFR0028	Digital tilt switch sensor. 3-pin connection: output, power, ground	1.2 x 0.8 x 0.35	4.95	3.95
2159381	DFRobot	SEN0114	Soil moisture sensor. Reads moisture present, includes analog sensor cable	2.4 x 0.8 x 0.35	5.95	4.95
2159445	DFRobot	DFR0034	Analog sound sensor. Detects sound intensity, input voltage: 5VDC	1.2 x 0.8 x 0.4	7.95	6.95
2159568	DFRobot	SEN0128	Analog alcohol sensor. Sensitivity-adjustable, input voltage: 5VDC	1.7 x 0.8 x 0.5	8.95	7.95
2159373	DFRobot	SEN0101	Color sensor with RGB sensor chip and 4 white LEDs. Digital TTL interface, 2.7-5.5V, TCS3200	1.2 x 1.2 x 0.6	8.95	7.95
2157845	DFRobot	DFR0077ℛ	RS-232 to TTL converter. 4-pin connection: 5V, GND, logic in (SRX), logic out (STX), 300 to 115200 bauds	1.7 x 1.4	9.95	8.95
2144454	DFRobot	DFR0017	Relay module. Arduino compatible. 150VAC/24VDC max switching voltage, 10A(NO) 5A(NC)	1.4 x 0.9 x 0.7	9.95	8.95
2152315	DFRobot	DFR0107ℛ	Arduino-compatible IR remote and receiver kit. Includes 3-wire cable	3.4 x 1.6	9.95	8.95

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Edu & Hobby

Arduino Microcontrollers, Kits, Shields & Accessories (Continued)

NEW MARKED IN PINK

| 2150441 | 2159437 | 2144462 | 2184288 | 2152251 | 2134926 | 2134993 | 2152340 | 2152243 |

| 2159461 | 2117341 | 2150521 | 2159402 | 2159251 | 2159390 | 2170581 | 2144665 | 2144489 | 2144500 |

| 2127566 | 2157757 | 2157749 | 2167761 | 2152307 | 2124277 | 2124285 | 2144420 | 2146345 | 2159912 |
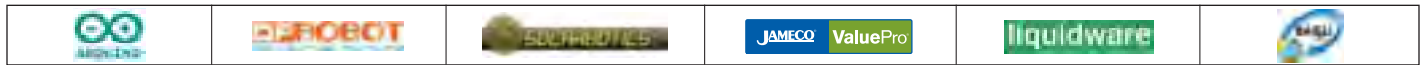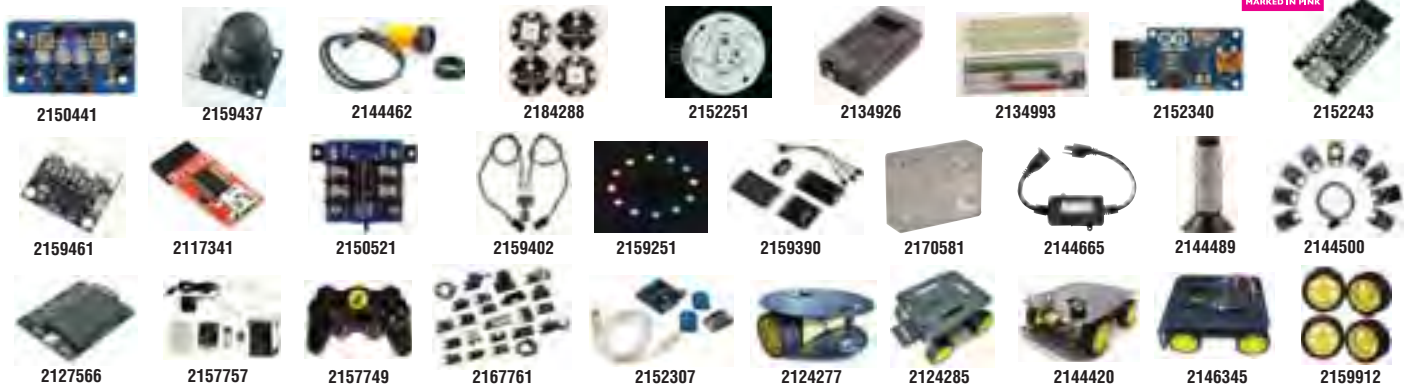
Sensors, Accessories and Miscellaneous Kits (Continued)

★ Web Code: AOA

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing 1	Pricing 5
2150441	Dagu	RS002A	Compound infrared sensor can be used as a range finder or movement tracker within 200mm, 4 pairs of IR phototransistors and 4 IR LEDs	1.9 x 1.2	$8.95	$7.95
2159437	DFRobot	DFR0061	2-axis joystick module with built-in button switch. Arduino-compatible	1.5 x 1 x 1.26	10.95	9.95
2144462	DFRobot	SEN0019	Adjustable IR sensor switch. 3-80cm range, 5V@100mA. 18" cable w/ 3-pin connector.	1.76"L x 0.70"Dia.	9.95	8.95
2184288	Adafruit	1260ℛ	FLORA RGB Smart Neo Pixel v2 (4 pack). 24-bit, 5-9VDC, chainable. 18mA constant current per LED.	0.5" Dia.	11.95	10.95
2152251	DFRobot	DFR0106ℛ	Light disk with 7 SMD RGB LEDs. 5V operation, 4-pin header, 6000mcd	1.42"Dia.	10.95	9.95
2134926	Arduino	A000009	Project enclosure, ABS plastic, fits: Uno-Duemilanove-Diecimila-NG or MEGA, ethernet shield and battery	3.4 x 2.5 x 1.1	12.95	11.95
2134993	ValuePro	PROTO KIT	830-contact breadboard with 70-piece jumper wire kit for easy prototyping	6.5 x 2.5	13.95	12.95
2152340	Arduino	A000059ℛ	USB to 5V serial adapter board. Includes pins for RX, TX, 5V, ground and reset	1.7 x 1.0	15.95	13.95
2152243	DFRobot	DFR0065ℛ	FTDI basic breakout board for USB to serial communication. Uses DTR pin for hardware auto-reset when a new sketch is downloaded	1.6 x 0.85	16.95	14.95
2159461	DFRobot	DFR0143	Triple axis accelerometer, with selectable sensitivity: ±1.5g/6g, 3 JST connectors, low pass filter, analog output	1.0 x 0.9	16.95	14.95
2159496	DFRobot	DFR0126	Digital audio analyzer w/ graphic equalizer display filter giving your Arduino ears. Can be read in 7 different frequency bands	1.2 x 0.8	17.95	16.95
2117341	Solarbotics	50512ℛ	Basic breakout board. 3.3/5V, FTDI mini USB-B to serial 6-pin, works w/ Arduino & clone 5V Arduino boards can use as a USB port, FT232RL chip	1.4 x 0.65 x 0.25	19.95	18.95
2150521	Dagu	RS003HP	Wild Thumper high power switch for circuit protection. 6-20 bat. voltage, 2x15A H-bridge	2.4 x 1.75	19.95	17.95
2159402	DFRobot	DFR0066	Humidity and temperature sensor with SHT1x sensor. Individually calibrated in a precision humidity chamber	1.25 x 0.67	19.95	18.95
2159251	DFRobot	DFR0141	Light disc with 12 SMD RGB LEDs. Individual color/brightness configurable, 5V operation, 12C Assembly req.	2.5"Dia.	19.95	17.95
2159390	DFRobot	DFR0129	Capacitive touch kit, with iPod-style wheel touch, keypad touch, and a grid touch pad, includes cables	—	24.95	22.95
2170581	Tux-Lab	E001-TUXℛ	Aluminum enclosure for Arduino Uno and Duemilanove. Clear acrylic cover, two slots for USB and DC power jacks	3.2 x 2.5 x 0.9	22.95	19.95
2144665	PowerSwitch Tail	80135	Power cord switch. Control outlet with microcontroller, 3-prong, 15A @ 125VAC, 5V control signal	4.0 x 2.1 x 1.5	29.95	26.95
2144489	ValuePro	26015102353340Z	Conductive sewing thread. Size 92, 234/34 (4 ply), 50Ω/meter. Perfect for Lilypad or wearables	400'+ reel	29.95	26.95
2144500	DFRobot	DFR0018	9-pc analog sensor set for Arduino. Includes big push button, LED light module, ambient light, capacitive touch, LM35 temperature, magnetic, vibration, tilt, and grayscale sensor. Each sensor has 12" wires	(1) 1.4"L x 0.8"W (8) 1.2"L x 0.8"W	39.95	36.95
2127566	Liquidware	HICAP Li Backpack	High capacity 2200mAh Lithium-Ion battery. Rechargeable via Arduino USB and USB type-B mini cable. Supplies regulated 5V and 3.3V	2.7 x 2.1 x 0.5	46.95	44.95
2157757	DFRobot	KIT0003ℛ	Auto-watering kit with control board, temp/humidity sensor, moisture sensor, water tube, immersible pump, mini USB cable, 6xAA battery holder, DC adapter and enclosure	3.7 x 2.4 x 2.4	59.95	54.95
2157749	DFRobot	DFR0182ℛ	Wireless gamepad v2.0. Supports Xbee, Bluetooth, RF and WiFi via the Xbee socket, allows the user to define the buttons and protocols via standard Arduino IDE, 3 AAA batteries required	5.5 x 4.6	64.95	59.95
2167761	DFRobot	KIT0011ℛ	24-piece advanced sensor set, including sensors such as light, gas, sound, touch, accelerometer, and more	—	84.95	79.95
2152307	DFRobot	COMB0002ℛ	Wireless programming kit for Arduino Uno/Duemilanove, Mega 2560/2560. Includes: 2 programming modules, I/O shield, Xbee USB adapter, USB cable	2.4 x 2.4	89.95	84.95
2183859	EarthLCD	ARLCDℛ	3.5" Color TFT Touchscreen, Arduino-compatible, 16-bit GPU, 320x240px, 65k color, LED backlit	3 x 3 x 0.9	89.95	—

Chassis/Mobile Platforms and Accessories

★ Web Code: MOB

Part No.	Manufacturer	Mfr. Part No.	Description	Dimension (L" x W" x H")	Pricing 1	Pricing 5
2150547	Dagu	DG008	4WD plastic mobile platform with (4) 4.5V motors. No load speed is 90 ±10 rpm	6.25"L x 5.0"W	$26.95	$23.95
2124277	DFRobot	ROB0005ℛ	2WD aluminum mobile platform with (2) 3-6VDC motors, speed: ~27.6"/sec.	6.7"Dia.	57.95	55.95
2124285	DFRobot	ROB0003ℛ	4WD aluminum mobile platform with (4) 3-6VDC motors, speed: ~35"/sec.	7.9 x 6.7 x 4.1	59.95	54.95
2144420	DFRobot	ROB0025	4WD aluminum mobile platform with wheel encoder, (4) 4.5-6V motors, speed: ~26.7"/sec.	9.0 x 7.3 x 4.3	79.95	74.95
2146345	DFRobot	ROB0022ℛ	4WD aluminum mobile platform with Romeo (v1.1) microcontroller. Romeo is Arduino-compatible and features built-in motor control, speed: ~35"/sec. (4) 3-6VDC motors included	7.9 x 6.7 x 4.1	84.95	79.95
2159488	DFRobot	SEN0038	2 Wheel encoders with motors for DFRobot 3PA & 4WD Rovers. +5V, < 20mA, 20PPR	—	13.95	12.95
2159912	DFRobot	FIT0003	Replacement wheels w/ tires. Used w/ above 2WD/4WD mobile platforms. Fits motor P/N 2150432, 2 wheels in the pack	2.58"Dia. x 1.03"W	7.95	7.49
2159921	DFRobot	RB-TIRE	Replacement tires only w/o rims to replace FIT0003 tires. 4 tires in the pack	2.58"Dia. x 1.07"W	2.49	2.25

★*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box*

3 LEVELS OF SAVINGS
NAME BRANDS | HOUSE BRANDS | SPECIAL BUY

Edu & Hobby

Horizon — Alternative Energy Kits

Horizon Fuel Cell Technologies has become the world's largest volume producer of commercial fuel cell products, serving customers in over 40 countries. The launch of the "H-Racer" toy-scale fuel cell car in 2006 offered a first glimpse of the company's unique technology that won several consumer product design awards, including a Time Magazine "Best Invention" award. Presently, Horizon produces extremely compact, lightweight, and complex hydrogen generation solutions suitable for electronic hobbyists, including renewable energy science experiment sets and battery-free kits.

2153861

2112170   2112161   2206002   2095007   2206029   2163073   2163090

Part No.	Mfr. Part No.	Description	Price
2112170	FCJJ-16ℛ	Solar Hydrogen Education; invent clean energy applications using fuel cells and renewable hydrogen	$85.95
2112161	FCJJ-11ℛ	Fuel Cell Car Science, reversible PEM fuel cell combines electrolysis & power conversion in an autonomous car	83.95
2206002	FCJJ-34ℛ	Salt Water Fuel Cell science education kit. Electric motor with fan, wire leads with plugs and tubing included	79.95
2112145	FCJJ-29ℛ	Wind Pitch is a miniature real-working wind turbine (wind power generator) designed to evaluate the pitch (setting angle)	109.95
2095007	FCJJ-23	H-Racer 2.0 is the world's smallest hydrogen fuel cell car equipped with remote-control steering and light emitting features with the car	134.95
2112153	FCJJ-26ℛ	Hydro-Wind Turbine kit invents clean energy applications using fuel cells and renewable hydrogen-harness the energy of the wind	129.95
2206029	FCJJ-42ℛ	Ethanol Fuel Cell science education kit. Extract hydrogen from ethanol to produce energy without combustion. pH paper, fuel cell, fan and tubing included	159.95
2206011	FCJJ-35ℛ	Super Capacitor science kit. Store energy generated by the hand crank, measure stored voltage and run a small electric fan.	164.95
2184755	FCJJ-33	Renewable Energy Science Lab. Includes WindPitch turbine, PEM fuel cell, energy monitor and more	279.95
2163090	LWH22-10L-5	Hydrostik fuel cartridge, stores 15Wh of hydrogen energy in a solid-state, use with MiniPak power supply P/N 2163073 and Hydrofill station P/N 2153861	24.95
2163073	FCHP-02	MiniPak power supply, delivers up to 2W DC power, includes Hydrostik catridge (P/N 2163090), 0.5W LED flashlight, USB connector tips/adapters, storage pouch	129.95
2153861	FCH-010ℛ	Hydrofill refueling station, fills the Hydrostik catridge (P/N 2163090) with 99.9% hydrogen, produces 3 liters of hydrogen per hour, just add de-ionized or distilled water	349.95

JAMECO KitPro — DIY Workshop Kits & Club Jameco Projects

★ Web Code: FMB

Jameco's Workshop

Scan on your smartphone with a code reader app.

Forrest M. Mims III Kits and Books — See complete kit descriptions online, additional parts may be required

Part No.	Description	1	5
2155487	Atari Punk Console Kit: Sound synthesizer based on the 555 timer	$24.95	$22.95
2155508	Toy Organ Kit: Each button generates a different tone with tunable volume and pitch	44.95	39.95
2155495	The Fridge Alarm Kit w/ Forrest Mims Mini Notebook: Electronic Sensor Circuits & Projects	29.95	24.95
2155532	The Vibration Sensor Kit: Detect vibrations with a piezo speaker and signals via an LED	19.95	18.95
2158709	Forrest Mims Mini Notebook Series, Volumes 1-4	52.95	51.95
2158047	Forrest Mims Five Book Bundle: Includes a collection of 100 hand-tested circuits for building	69.95	66.95
2158725	Forrest Mims Five Book and Four Electronic Kit Bundle: Soldering is requiredℛ	169.95	164.95

2155487   2155508   2155495

2155532   2158709   2158047

2158725

Circuit Skills Web Supported Kits & Projects

★ Web Code: ERK

Part No.	Description	1	5
2113244	Etch your own printed circuit board. Includes (2)3"x4" pre-coated boards & etch solution*	$46.95	$42.95
2117202	Build a waveform generator and learn the basics for laying out an enclosure. Soldering required	64.95	62.95
2121092	Build a basic guitar effect pedal while learning the basics for perfboard prototyping. Soldering required	24.95	23.95
2124197	Try your hand at a SMT project w/ 1206 components and you too can build a light reactive tone generator	29.95	27.95
2126272	Learn the basic fuctionality of an LED Color Organ ("sound-to-light") circuit. 3.5mm audio jack input	39.95	36.95
2127970	Learn how to drive an 8x8 LED matrix using an LED driver IC and an Arduino. Includes Arduino Nano v3.0	59.95	54.95

*Shipped via ground to continental U.S. only

2117202

2113244   2121092   2124197

Jameco Builds

★ Web Code: ERK

Part No.	Description	1	5
2155516	Build a compact USB charger w/ 5V output to charge small electronic devices. Soldering required	$14.95	$13.95
2155567	RGB LED Origami Kit: Includes (3)10mm RGB LEDs, mini-breadbrd, hook-up wire, battery box & batteriesℛ	17.95	16.95
2155541	LED Color Organ Kit: Similar to 2126272 but includes PCB with labels. Mono channel.	44.95	42.95
2146329	4x4x4 LED Cube Kit: Advanced solder kit requires AVR programming for blue LED display visuals	69.95	64.95
2192296	Construct a simple DC motor by making use of electromagnetic principles	13.95	12.95
2192309	Construct a simple DC motor. Classroom pack for 20 students	99.95	89.95

2126272   2127970   2155516

Club Jameco Projects — Earn with Club Jameco www.ClubJameco.com/Earn

★ Web Code: CJK

Part No.	Description	1	5
2168405	4 Input Audio Switch Box Kit: Switches any four male audio 3.5mm inputs to one 3.5mm output	$12.95	$10.95
2161369	Low-Voltage Cutoff Switch: Disable accessories when voltage drops to a pre-set limit	14.95	12.95
2160817	Super Simple Low Power AM Radio Kit: Learn basic RF concepts with this breadboard project	14.95	12.95

2155567   2155541   2146329

2168405   2161369   2160817

ℛ RoHS compliant product. Jameco obtains RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

Edu & Hobby

JAMECO | **KitPro**

DIY Workshop Kits & Club Jameco Projects (Continued)

Club Jameco Projects (Continued)

See complete kit descriptions online (Additional components may be required)

★ Web Code: CJK

Part No.	Description	1	5
2204197	Pocket Power Supply: Select 1.5, 3, 4.5, or 6V from a 9V battery.	$17.95	$16.95
2182670	Simple Audio VU Meter: 20 LED bar-graph display, 3.5mm audio out	19.95	18.95
2169580	Easy Laser Alarm Kit: Senses light from a laser on a photocell to sound a buzzer when the beam is broken	19.95	18.95
2184579	Arduino-compatible Temperature Sensor. FTDI breakout board & 4x7 segment display not incl.	22.95	19.95
2169459	Learn to Solder & Program Temp Logger. (PICAXE-08M2 sold separately)	24.95	22.49
2169571	8-Pin Programmer Kit: Program ATtiny series chips using an Arduino as the programmer	24.95	22.49
2170337	Free Charge Controller Development Kit- Participate in a collaboration to improve the design. See Web for full details.	24.95	22.49
2169109	Water Level Control: Sense high/low and trigger a relay. Pump not included.	24.95	22.49
2171591	Animated LED Eyes: Eyes blink and scan around and shoot forward when walking by	24.95	22.49
2191242	Bike Turn Signal and Headlight: Switch controlled LED blinkers and LED headlight	24.95	22.49
2170530	Programmable Light Chaser: An animation controller for 32 LEDs; program to create animation patterns	24.95	22.49
2171604	Universal IR Remote Receiver: Capable of controlling two channels in several selectable ways	24.95	22.49
2169504	Prank Box: A sealed wooden box with an electric bell inside that is secretly activated by a key switch	24.95	22.49
2160681	Transformer Kit: Learn how to wind a simple transformer	24.95	22.49
2163962	Propeller Clock is a mechanically scanned LED clock in POV effect. (motor sold separately, see Web)	24.95	22.49
2205991	Portable LED Strobe: 30 bright white LEDs and the flash rate is adjustable	29.95	27.95
2168325	Metronome Kit: 7-seg display shows beats/min and allows you to switch between different time signatures	29.95	27.95
2184157	The SleepLight: Calming blue LED twinkles at night to soothe you into a deep sleep	29.95	27.95
2170812	DIY geiger counter uses a PIN photodiode as a substitute for a Geiger-Mueller tube. Detect alpha and beta particles	32.95	29.95
2171516	Portable Retro Hi-Fi Speaker.(requires bookshelf speaker or equivalent)	34.95	29.95
2190080	Vein Finder: Uses bright red LEDs to illuminate your veins!	39.95	36.95
2169467	Magic Morse Code Trainer Kit: Easily learn Morse code and get immediate feedback	39.95	37.95
2169475	Surveillance Camera Pan/Tilt Decoder Kit: An interface between your camera system and other devices	44.95	42.95
2170492	PS/2/You: Go-anywhere LED Digital Message Board: Instant updatable 768-pixel digital message board	44.95	42.95
2171997	Medium Power Resistive Decade Load Box. 0.1 to 999.9Ω (resistors sold separately)	54.95	49.95
2170548	Arduino Waveform Generator Shield: Useful for testing/debugging circuits and frequency response	64.95	59.95
2168309	Fun Light Switch Box: Behavior of the lights vary depending on how the switches are set	69.95	64.95
2161203	Solar Sequencer Lead-Acid Battery Charger: Solar panel not included	69.95	66.95
2192093	DIY Robotic Hand Shadow. With additional parts, create a robot hand that mirrors yours	99.95	89.95
2203872	Experiment with Alarms. Learn about laser/IR break beam, magnetic proximity & touch sensors	99.95	89.95
2184499	Arduino Controlled LED Floodlight: 10W lamp, photocell, motion sensor & DC power supply	139.95	129.95
2168940	8x8x8 LED Cube: Includes 550 3mm blue LEDs. Driven by included Arduino Uno. Programming required	149.95	139.95
2172017	8x8x8 LED Cube: Includes 550 3mm green LEDs. Driven by included Arduino Uno. Programming required	149.95	139.95
2169539	8x8x8 LED Cube: Includes 550 3mm white LEDs. Driven by included Arduino Uno. Programming required	149.95	139.95

club JAMECO®

Earn with Club Jameco www.ClubJameco.com/Earn

NEW MARKED IN PINK

2182670   2169580   2184579   2169571

2170530   2171604   2169504   2168325

2170812   2171516   2190080   2169467

2169475   2171997   2168309   2161203

2192093   2203872   2184499   2172017

MONDO·TRONICS

Small diameter nickel-titanium wires contract like muscles when electrically driven.

- LT (low-temp) activate at 70℃
- HT (high-temp) activate at 90℃

Includes: Instructions and technical specs.

★ Web Code: WAU

Flexinol® Shape Memory Alloy Actuator Wires

357641   357528   357835
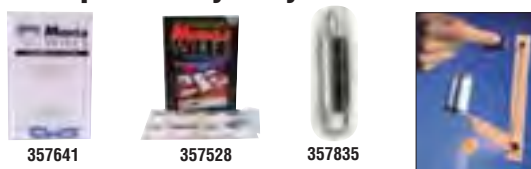
Part No.	Mfr. P/N	Length (meter)	Wire Dia. (microns)	Linear Resistance (Ω/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing 1	5
357931	075LT	1	75	200	100	815	80	40	$8.95	$7.95
357595	100HT	1	100	150	180	28	150	43	9.95	8.95
357472	100LT	5	100	150	180	28	150	33	27.95	24.95
141874	150LT	1	150	50	400	62	330	20	9.95	8.95
160055	375LT	1	375	8	2750	393	2000	4	12.95	11.49
357712	375HT	1	375	8	2750	393	2000	5	10.95	9.95

*Multiply by 0.0098 to get force in Newtons   **Cycles per minute, in still air, at 20° Centigrade

Muscle Wire Kits, Book, Nitinol Wire and Springs

★ Web Code: WAU

Part No.	Mfr. Part No.	Description	1	5
141330	3-133	Muscle Wire Project Book, 3rd Edition	$19.95	$18.95
357659	3-141	Project Book Sample kit (20cm of 50µm flexinol wire; 40cm of 100µm and 150µm LT wire)	32.95	29.95
357641	3-136	Muscle Wire Super Sampler kit (20cm each of 037µm, 050µm, 100µm, 150µm, 250µm)	35.95	32.49
357835	3-642	Nitinol tension springs (4pk.) 6.5mm OD x 26.5mm L x 750µm, black	39.95	37.95
357528	3-102	Muscle Wire R & D kit (5 meters each of 0.050µm, 100µm LT wire; 1 meter each of 250µm Flexinol LT wire	119.95	107.95

PNI

Vector 2X Compass Module

- Pin selectable BCD or binary output format (compatible with Motorola SPI and National Microwire)
- 2° accuracy, 1° resolution
- 3-wire serial output format
- Raw uncalibrated magnetometer output optional
- Hard iron calibration   • 5Hz sampling rate
- Master or slave capability for data clock generation

Part No.	Description	1	5
126703	Compass module	$24.95	$22.95

3-Axis Compass Module

- Low-field magnetic sensing with digital interface
- Wide field range: ±8 gauss
- 1° to 2° heading accuracy   • I²C digital interface
- Propeller, Stamp, and Arduino compatible

PARALLAX ?

Part No.	Description	1	5
2150248	Honeywell HMC5883L chip	$29.95	$28.49

RC Logger

RC Eye One Quadcopters

Self-stabilizing, robust 4-rotor frame and smart flight control system is safe and easily maneuverable for beginners. 3 flight modes to match your experience.

2204373

NEW MARKED IN PINK

Includes: Quadcopter, 7.4V/350mA LiPo battery, USB LiPo charger, RC, replacement rotors, 2xAAA

2204381: 2.4GHz, landing gear upgrade, 25% more power in Sport mode, acrobatic flip ability

Part No.	Description	1	5
2204373	915MHz Quadcopter	$59.95	$54.95
2204381	2.4GHz Quadcopter	79.95	74.95
2204390	Crash pack for 2204381	21.95	19.95
2204402	2x LiPo batteries & charger	24.95	22.95

Edu & Hobby

*For additional products, availability and specifications visit Jameco.com and enter the Web Code in the product search box

Solar Panels

★ *Web Code: AEK*

Solar Photovoltaic Arrays

- Full-size monocrystalline solar panels can be used to charge your batteries or power your project
- 2 different panels to suit your applications • Max. power voltage: 17.8V • Open-circuit voltage: 21.6V
- Panel frames are made from aluminum for lightweight quality • Maximum system voltage: 1000VDC
- Tested under Standard Test Conditions (STC – irradiance 1000W/m^2, AM 1.5 spectrum, cell temperature: 25°C)

2128569

2128585

Part No.	Mfr. Part No.	Max Power (W)	Max Current (A)	Short-Circuit Curr. (A)	No. of Cells	Dimensions (L" x W" x H")	Wt. (lbs.)	1	5	25
2128569	PM-25S	25	1.35	1.50	9	25.3 x 11.1 x 1.4	7.50	$119.95	$114.95	$109.95
2128585	PM-65S	65	3.65	4.04	36	32.8 x 21.2 x 1.4	18.96	249.95	239.95	229.95
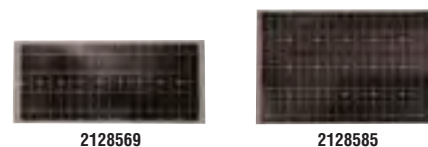
Solar Hydrogen Education Kit

Create a mini power system that can store solar energy in the form of hydrogen, and drive a small motor or fan using the fuel cell. Just add water and sunshine!

Includes: Electric motor, propeller blade, water storage tank, reversible PEM fuel cell, solar panel, wire set

Horizon

Part No.	Mfr. Part No.	Price
2112170	FCJJ-16*R*	$85.95

PARALLAX 1-Watt Solar Panel

- 9VDC max output
- 1W max power output
- 11V open-circuit voltage
- 0.11A Ipm max operating current
- 0.24A Isc short-circuit current
- Pre-soldered color-coded leads
- Can be expanded for more voltage/current
- Dimensions: 5.3"L x 5.3"W x 0.1"H

Part No.	Mfr. Part No.	1	5
2115291	750-00031*R*	$12.95	$10.95

Monocrystal Sealed Solar Panel

- Equivalent to Panasonic BP-37334
- 12 cells
- Power: 98mW ±10%
- Rated voltage: 5.8V to 6.9V
- Rated current: 15mA
- Open circuit voltage: 7.2V
- Short circuit curr.: 17mA to 20mA
- 4 solder contacts on the back
- Size: 1.46"L x 1.28"W x 0.1" Thick

NEW MARKED IN PINK

★ *Web Code: AEK*

Part No.	Mfr. Part No.	1	5	25
2162572	RU6715	$7.95	$6.95	$5.95

PowerFilm. Foldable Solar Chargers

★ *Web Code: FSC*

Ultra Compact, Ultra Lightweight, Easy-to-Use

PowerFilm develops and manufactures thin, flexible solar panels based on a proprietary low cost, high quality production process. The products encompass the consumer part of today's solar markets and are used for recharging consumer electronics such as laptops, cell phones, GPS, and mp3 players.

2108621: Charges 2 AA batteries (folds up compactly to fit into pocket)

2097133: Charges 2 AA rechargeable batteries and most small USB devices (folds up compactly to fit into pocket)

Fits in Your Pocket

2097133

Part No.	Mfr. Part No.	Description	Operating Volt. @ Curr.	Charging Volt.	Folded/Unfolded Dimesions (in.)	1	5
2108621	AA Charger	Solar, foldable charger	3.6V @ 0.6A	—	5.5 x 3.3 x 1.4 / 5.5 x 31.5	$84.95	$79.95
2097133	USB + AA Charger	USB + AA charger	3.6V @ 0.4A	5V	3.25 x 5.5 x 1.38 / 24 x 5.5	69.95	64.95

PowerFilm. Flexible Thin Film Solar Modules

★ *Web Code: AEK*

Wireless Electronics Series The Wireless Electronics Series offers a new opportunity to solve the old problem of limited power for wireless electronics in portable and remote applications. These modules are lightweight, paper thin and durable.

228013

Part No.	Mfr. Part No.	Operating Voltage	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	5	25
227985	SP3-37	3.0	22	2.5 x 1.5 x .01	64 x 37 x 0.2	$3.95	$3.49	$3.15
227993	TX3-25	3.0	25	4.5 x 1.0 x .01	114 x 25 x 0.2	3.95	3.49	3.15
171061	MP3-37	3.0	50	4.5 x 1.5 x .01	114 x 37 x 0.2	5.95	5.35	4.79
228013	MPT3.6-75	3.6	50	2.9 x 3.0 x .01	74 x 75 x 0.2	7.95	6.95	5.95
228030	SP4.2-37	4.2	22	3.3 x 1.5 x .01	84 x 37 x 0.2	5.95	5.35	4.79
228056	MPT4.8-150	4.8	100	3.7 x 5.9 x .01	94 x 150 x 0.2	15.95	14.95	13.95
228064	MPT6-75	6.0	50	4.5 x 3.0 x .01	114 x 75 x 0.2	12.95	10.95	9.95
228072	MPT6-150	6.0	100	4.5 x 5.9 x .01	114 x 150 x 0.2	19.95	17.95	15.95
228099	MP7.2-150	7.2	200	10 x 5.9 x .02	253 x 150 x 0.6	37.95	34.95	32.95
228101	MPT15-75	15.4	50	10 x 3.0 x .02	253 x 75 x 0.6	19.95	17.95	15.95
228110	MPT15-150	15.4	100	10 x 5.9 x .02	253 x 150 x 0.6	39.95	35.95	31.95

WeatherPro Series

The right choice for permanent outdoor applications that are directly exposed to the elements. These modules feature rugged construction, a UV-stabilized surface, an extra edge seal for weather protection, and tin-coated copper leads that extend from the module.

228161

Part No.	Mfr. Part No.	Operating Voltage	Operating Current (mA)	Size (L x W x T)		Pricing		
				Inches	mm	1	5	25
228161	P7.2-75	7.2	100	10.3 x 3.9 x .04	270 x 100 x 1.1	$34.95	$31.49	$28.25
228195	PT15-150	15.4	100	10.3 x 6.9 x .04	270 x 175 x 1.1	47.95	44.95	42.95
228208	PT15-300	15.4	200	10.3 x 12.8 x .04	270 x 325 x 1.1	99.95	89.95	79.95

JAMECO ValuePro 60mm Solar Panel

★ *Web Code: AEK*

Photovoltaic Mini Module

- Clear coat plastic
- Power output: 0.25W max.
- Volt. output: 4.7VDC to 5VDC
- Size: 2.36"L x 2.36"W x 0.1"Thick
- Material: copper indium diselenide

Part No.	Description	1	5	25
1928142	Solar panel	$7.95	$6.95	$6.25

Mini-Panel Solar Cells

★ *Web Code: AEK*

Ready to Use! No Soldering

Mini-panels are secured in a plastic body with a prismatic cover to help capture all available light. 6" red / black wires attached.

200221

2113666: Solar Cell Grab Bag
- Contains fragile cells of various sizes w/ 0.5V output
- No leads attached and require soldering

2113666

Part No.	Mfr. P/N	VDC @ mA	Size (L x W)	1	5
2136913	SOL1	0.5 @ 400	2.8" x 1.8" ..	$6.49	$5.95
200221	SOL4	2.0 @ 200	3.0" x 3.7" ..	10.95	9.95
215319	4-3.0-100	3.0 @ 100	3.8" x 2.5" ..	12.95	11.95
2140373	750-00030*R*	6.0 @ 167	4.9" x 2.5" ..	12.95	11.95
215327	4-6.0-50	6.0 @ 50	3.8" x 2.5" ..	14.95	13.49
2113666	SC-GRAB	Solar cell grab bag		9.95	8.95
		(min. 40pcs/bag, sizes vary)			

LEAD ACID & LiFePO4 RECHARGEABLE BATTERIES

★ *Web Code: LIF*
★ *Web Code: LBR*

12-48V DC-AC INVERTERS

★ *Web Code: XEL*

Up to 3000 Watts

Edu & Hobby

PAYMENT OPTIONS

Credit Card/Check Cards

We accept PayPal, VISA, MasterCard, American Express and Discover. Your account will not be charged until your order is shipped. When ordering, please advise name on card and credit billing address.

Check or Money Order

You may pay by check or money order in U.S. funds, drawn on a U.S. bank.

Open Account

It is easy to open an account with Jameco. Contact us at 1-800-831-4242.

C.O.D.

Personal checks are accepted. Please add $12 per C.O.D. order. Include the name and address of your bank and your account number.

International Orders

All international orders must be prepaid with a credit card or PayPal (see approved credit cards above), bank transfer, traveler's check, cashier's check or money order drawn on a U.S. bank in U.S. funds only. Please do not send cash. Jameco cannot accept letters of credit as a form of payment. E-mail: International@Jameco.com.

5 EASY WAYS TO ORDER

Telephone: Toll-Free 1·800·831·4242
International orders, call 1·650·592·8097

FAX: US/Canada: 1·800·237·6948
Other Countries: 1·650·592·2503
http://www.Jameco.com
Online catalog! Our complete offering of products is searchable on the Jameco website!

E-mail/Mail: E-mail orders to: Sales@Jameco.com or print and fill out the order form at www.Jameco.com then mail it to us at the address below.

In-Person: Visit Jameco at
1355 Shoreway Road
Belmont, CA. 94002.
Will-call office hours are
8 a.m. – 5 p.m. Monday–Friday.

CONTACT INFORMATION

The following services are available at 1-650-592-8097 Monday through Friday 6 a.m. – 5 p.m. PST or via e-mail:

• International Sales (International@Jameco.com)
• Customer Service (Custservice@Jameco.com)
• Credit Department (Credit@Jameco.com)
• Technical Support (Tech@Jameco.com)
  (Monday – Friday, 8 a.m. – 5 p.m. PST)

Toll-Free Hotline!

Please call us at 1-800-831-4242.

POLICIES

Confirming Orders

Please do not send confirming orders. If company policy necessitates a confirming order, please mark "CONFIRMING" boldly on the first page of the order.

Minimum Order

A $5 processing fee will be added to telephone orders below $25 and Web orders less than $10.

Order-Cancellation & Rescheduling

All cancellations and rescheduling are subject to the final approval of Jameco Electronics. Visit us at www.Jameco.com/canceling-rescheduling.

SERVICES

30-Day Money Back Guarantee

If for any reason you are not completely satisfied with your purchase, simply return the product, in its original packaging, within 30 days for a refund, credit or exchange. Parts returned due to customer ordering error and parts that are returned over 30 days are subject to a restocking fee. Call our customer service department at 1-800-536-4316 or visit www.Jameco.com to request an RMA#. It should appear clearly on the outside of the box. Returns without an RMA# will not be accepted and no freight collect packages will be accepted. We're sorry, but books, kits, software, grab bags and special orders cannot be returned. Special orders consist of products sold at an OEM quantity discount or products not listed in the Jameco catalog.

Jameco Warranty

Jameco warrants all merchandise against defects in material or workmanship for a period of 90 days (One year for Jameco ValuePro, ReliaPro & BenchPro products) from the original purchase date unless otherwise stated in writing by Jameco. If Jameco receives the product considered to be defective within this warranty period and the product is determined to be defective, Jameco will, at its sole option and discretion, either repair or replace the product. The foregoing is your sole and exclusive remedy and states Jameco's entire liability arising out of this warranty. [However, Jameco will transfer to customer whatever transferable warranties and indemnities Jameco receives from the manufacturer of the products. Any claims arising from such manufacturer's warranties shall be the sole responsibility of the manufacturer and not of Jameco.] Moreover, Jameco's limited warranty is void if the damage or defect has resulted from improper customer assembly, failure by customer to follow instruction, product modification, negligent or improper operation, accident, abuse or misapplication. Products returned to Jameco pursuant to this warranty must be returned to Jameco prepaid.

No Other Warranties

The limited warranty above is exclusive and in lieu of all other conditions and warranties for the products and documentation. Jameco makes no other conditions or warranties, express, implied, statutory or otherwise, and expressly disclaims all other conditions and warranties, including but not limited to: implied conditions or warranties of merchantability, fitness for a particular purpose and non-infringement of the products.

Limitation of Liability

Jameco shall not be liable for any incidental, special or consequential damages for breach of any warranty, expressed or implied, directly or indirectly arising out of Jameco's sale of merchandise, including any failure to deliver any merchandise, or arising out of customer's installation or use, whether proper or improper, of the product, separately or in combination with other equipment, or from any other cause. Products sold by Jameco are not authorized for use as critical components in life support devices or systems.

RoHS COMPLIANCE

Jameco obtains all RoHS compliance status information from its suppliers solely and does not verify or confirm such status. Products are coded with the following symbol throughout the catalog:

ℛ RoHS compliant product

PRICES

Prices are effective July 7, 2014. In the unlikely event that you find a lower published price for products that are in stock from one of our competitors, simply call us and we'll beat that price by 10% all the way down to our cost. Prices and discounts are subject to change without notice. Jameco is pleased to occasionally offer promotional discounts to our customers, but these are to be applied to published pricing for stocked products and may not be combined with other discounts nor can they be applied to special or scheduled orders. Occasionally we make a typographical error and unfortunately we cannot honor erroneous prices. Photos in the catalog are representative but many products may vary in appearance.

SHIPPING INFORMATION
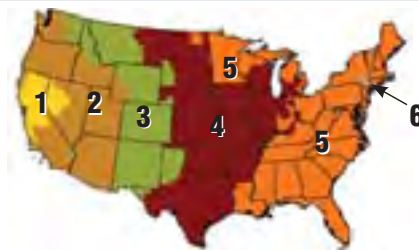
Guaranteed Delivery Time for UPS Ground (Business Days)
① day ② ③ ④ ⑤ ⑥ days

Orders placed on business days by 6 p.m. Eastern time for products in stock will ship the same day. Orders placed on weekends and holidays will ship the following business day. All orders ship FOB California. Additional shipping time may be required for orders requiring credit approval or for products not in stock.

Options and Rates

Jameco offers shipping options from FedEx, UPS and the United States Post Office.

UPS/FedEx Ground Shipping
UPS/FedEx 3-Day Shipping
UPS/FedEx 2-Day Shipping
UPS/FedEx Overnight PM
UPS/FedEx Overnight AM
USPS Delivery

Jameco offers its business customers the option to charge the customer's shipping account. Jameco offers private carrier LTL shipments on orders typically in excess of 50 pounds. Call Jameco for more information.

For more shipping information, visit www.Jameco.com/shippingrates.

Tracking Your Order

Jameco will email tracking information upon shipment or you can track your account by visiting www.Jameco.com and clicking the Track Orders link in the top right side of the page.

International Orders

Jameco requires that international orders be prepaid using a credit card, bank transfer or PayPal. There is a $15 charge to accept a bank transfer. You'll be presented with shipping options during the check out process. Ground shipping to Canada will include brokerage fees that are billed separately. Customers that would like to ship via a specific carrier or using an existing account number should note these requirements online in the comments box upon checkout. All returns require an RMA and pre-paid shipping back to Jameco.

Order Info

Index

Gear Head and DC Motors

Part No	Mfr.	Mfr. Part No.	Rated Voltage (V)	@ Max. Efficiency Speed (RPM)	@ Max. Efficiency Current (mA)	@ Max. Efficiency Torque (g-cm)	Motor Size (Dia." x Depth")	Pricing 1	Pricing 10
2192755	Mabuchi	FA-130RA	1.5	6990	660	6.0	0.8 x 1.0	$3.49	$2.95
2158442	Nichibo	RF-500TB-18280-R𝓡	3	2104	175	68.01	1.25 x 0.77	2.25	1.95
2158434	Nichibo	RF370CH-22170-R𝓡	6	4787	450	173.3	0.96 x 1.2	2.25	1.95
2192878	Nichibo	RK-520-17310-R𝓡*	12	104	423	1749	1.3 x 0.9	17.95	15.95
2167437	Johnson	HC970	12	3308	500	4654	2.0 x 2.7	9.95	8.95
2197476	Nichibo	MD3B-14280-R𝓡*	12	5214	327	42.89	1.1 x 1.3	19.95	17.95
2167681	Nichibo	DC-130SB-10410𝓡	12	5624	200	71.2	0.8 x 1.1	1.95	1.75
2192421	Nichibo	HP5BFN-2670-R𝓡	24	9346	1050	1.93	0.7 x 1.9	6.95	5.95

*Gear head motor

2192755   **2158442**   **2197476**   **2192421**

120x120x38mm Ball Bearing AC Tubeaxial Fans

Here are some of our most popular AC tubeaxial fans. Select from multiple manufacturers and a variety of specifications.

COMMONWEALTH ™

2125931   **2197695**   **2133801**

Part No.	Manufacturer	Mfr. Part No.	AC Voltage	Air Flow (CFM)	Speed (RPM)	Noise (dBA)	Current (mA)	Power (W)	Agency Approvals	Connection	Pricing 1	Pricing 10	Pricing 50	Pricing 100
2125931	Commonwealth	FP108-1𝓡	110/120	112/120	2700/3000	40/45	250/190	18/19	UL/CSA/TUV/CE	12" leads	$10.95	$9.95	$8.95	$7.95
2151072	Sunon	SF1212ADBL.GN𝓡	115/220	95/115	2700/3100	44/49	270/240	21.5/19	UL/CSA/CE	12" leads	12.95	11.95	10.49	8.95
2197695	Thermactive	SAL1238B3A-L𝓡	120	91	2450	40	200	13	UL/CUL/CE	12" leads	11.95	10.95	9.95	8.95
2133801	Adda	AA1282DB-AT𝓡	220	74.7	1650	39.2	60	8	UL/CUL/TUV/CE	Terminals	8.95	7.95	6.95	6.25

AC Wall Adapters
• Input: 120VAC @ 60Hz

Part No.	Mfr.	Mfr. Part No.	Output Voltage	Output Current	Output Connector	Size (H" x W" x D")	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
2167648	OEM	AA091A5	9	1500	2.1mm x 5.5mm F	2.4 x 2.4 x 1.8	Black	6 feet	0.8	UL/CSA	$9.95	$8.95	$7.95	$6.49
320258	Ault	T48091500A010G	9	1500	2.5mm x 5.5mm F	2.6 x 2.2 x 1.9	Black	6 feet	0.9	UL/CSA	9.95	8.95	7.95	6.49
2197581	ReliaPro	GPU481202000WAO0𝓡	12	2000	2.1mm x 5.5mm F	3.3 x 2.6 x 2.2	Black	6 feet	1.7	UL/CUL	14.95	13.49	11.95	10.49
2179622	ReliaPro	AFU180200𝓡	18	2000	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	6 feet	1.7	—	12.95	11.95	10.95	9.95
206439	MG	MGT2420	24	830	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	10.95	9.95	8.95	7.95
2197548	ReliaPro	GPU572402000WA00𝓡	24	2000	2.1mm x 5.5mm F	3.3 x 2.6 x 2.2	Black	6 feet	1.7	UL/CUL	17.95	15.95	13.49	11.95

Field Programmable Oscillators

Used in nearly every circuit there is, oscillator frequencies are vital to each application. Now you have the power to change its output, frequency, input voltage, stability and much more.

NEW MARKED IN PINK

Full Can

2208121

• 3.3V, 25mA, ≤4ns • Program with PG-3000 (P/N: 2208121) • Stability: ±50 ppm • Tri-State
• Can be reprogrammed one time (blanks can be programmed twice) • Operating temp: -40°C to +85°C

Part No.	Mfr. Part No.	Frequency (MHz)	Can	1	10	100
2207988	CPPT4LT-A7BP-1.0000TS𝓡	1.0	Half	$9.95	$5.95	$4.95
2207996	CPPT4LT-A7BP-10.0000TS𝓡	10.0	Half	9.95	5.95	4.95
2208008	CPPT4LT-A7BP-20.0000TS𝓡	20.0	Half	9.95	5.95	4.95
2208016	CPPT1LT-A7BP-1.0000TS𝓡	1.0	Full	9.95	5.95	4.95
2208041	CPPT1LT-A7BP-4.0000TS𝓡	4.0	Full	9.95	5.95	4.95
2208059	CPPT1LT-A7BP-8.0000TS𝓡	8.0	Full	9.95	5.95	4.95
2208067	CPPT1LT-A7BP-10.0000TS𝓡	10.0	Full	9.95	5.95	4.95
2208075	CPPT1LT-A7BP-20.0000TS𝓡	20.0	Full	9.95	5.95	4.95
2208083	CPPT1LT-A7BP-33.0000TS𝓡	33.0	Full	9.95	5.95	4.95
2208753	CPPX1-A7BP-XX.XXX	Blank	Full	12.95	11.65	10.49
2208761	CPPX4-A7BP-XX.XXX	Blank	Half	12.95	11.65	10.49
2208770	CPPX7-A7BP-XX.XXX	Blank	5x7 SMD	7.95	6.95	5.95

Programmer

Part No.	Mfr. Part No.	Description	Price
2208121	PG-3000𝓡	Selectable CMOS/TTL Programmer, 1-133MHz, 2.7-5.0V, OE function	$489.95

200-Watt Dual Channel Soldering Station

NEW MARKED IN PINK

Want a soldering station for multiple people, but limited on workbench space? This dual-channel station is the perfect fit for all workstations, increasing efficiency while saving you money.

• Digital read-out display • 100W power per channel
• Password Protection: Temperature can be locked with a password code
• Heater/sensor failure detection
• Energy-saving auto-sleep function

• Aluminum alloy, EMI protected housing
• 100-120VAC @ 60Hz, 220-240VAC @ 50Hz
• Temperature range of each channel: 212°F to 896°F (100°C to 480°C)

Includes: Solder station, 2 soldering irons, 2 solder tips, 2 solder stands w/ brass cleaners, user's manual

Part No.	Mfr. Part No.	1	5
2205894	LF-5200𝓡	$269.95	$249.95

Piezo Buzzers and Transducers

Part No	Mfr.	Mfr. Part No	Type	Tone	Voltage Range	Current	Sound (dB)	Frequency (Hz)	Dimensions (H" x Dia.")	1	10	100
2098540	Kobitone	PB102-ROX𝓡	Transducer	Single	3Vp-p	3mA	70	2000	0.13 x 0.39	$1.29	$1.19	$1.09
2117430	ValuePro	7P3120LF-LA𝓡	Buzzer	Pulse	3-15V	10mA	90	3200	0.98 x 1.10	2.95	2.59	2.25
196357	ValuePro	PUI EAI-175	Buzzer	Single	3-16V	5.8mA	86	4000	0.30 x 0.54	1.95	1.75	1.49
2172906	Mallory	SCM616N-1	Buzzer	Continuous	6-16V	6-22mA	90	2900	1.06 x 1.70	5.95	4.95	3.95
336276	ValuePro	154PZ14480LF-LA	Transducer	Single	12Vp-p	2mA	75	4000	0.17 x 0.53	1.09	.99	.89
2077280	Panasonic	24C411	Transducer	Single	15Vp-p	2mA	85	4000	0.24 x 0.94	.65	.59	.55

Great Products, Awesome Prices, Reach for Jameco First!

RSP-1000 Enclosed AC-to-DC Switching Power Supplies

- Universal AC input / Full range
- AC input active surge current limiting
- Built-in 5V/0.5A auxiliary power
- Built-in active PFC function, PF>0.95
- Forced air cooling by built-in DC fan
- Active current sharing up to 4000W (3+1)
- Protection: Short circuit/Overload/Over voltage/Over temperature
- Output voltage can be trimmed between 40 ~ 110% of the rated output voltage
- High power density 10.7W/inch^3
- 1U low profile 41mm
- Built-in remote sense function
- Built-in remote ON-OFF control
- Size: 11.6"L x 5.0"W x 1.6"H
- 3 year warranty

⭐*Enclosed Power Supplies Web Code: EPS*

Part No.	Mfr. Part No.	Output Voltage @ Current	Power	Load Regulation	Line Regulation	Efficiency	Pricing 1	Pricing 5
1585670	RSP-1000-12ℛ	12V @ 60A	720W	±0.5%	±0.5%	83%	$249.95	$229.95
1585696	RSP-1000-15ℛ	15V @ 50A	750W	±0.5%	±0.5%	85%	249.95	229.95
1585717	RSP-1000-24ℛ	24V @ 40A	960W	±0.5%	±0.5%	88%	249.95	229.95
1585709	RSP-1000-27ℛ	27V @ 37A	999W	±0.5%	±0.5%	88%	249.95	229.95
1585725	RSP-1000-48ℛ	48V @ 21A	1008W	±0.5%	±0.5%	90%	249.95	229.95

Green Open-Frame Power Supplies

NEW MARKED IN PINK

These incredibly efficient open-frame power supplies are some of the most environmentally friendly of the Mean Well line. They meet some of the most stringent EMC standards to ensure clean power is delivered everytime.

EPS-15

Part No.	Mfr. Part No.	Output Voltage @ Current	Description	Efficiency (%)	Pricing 1	Pricing 5
2174071	EPS-15-5ℛ	5V @ 3A	2.5"x1.8"x0.94", overload protection for 135% rated output, EN55022	78	$7.95	$7.25
2164421	EPS-35-12ℛ	12V @ 3A	3"x2"x0.94", overload protection for 170% rated output, EN55022	87	12.49	11.49
2164519	EPS-45-12ℛ	12V @ 3.75A	4"x2"x1.1", overload protection for 160% rated output, EN55022	87	13.95	12.95
2164674	EPS-65-12ℛ	12V @ 5.42A	4"x2"x1.1", overload protection for 160% rated output, EN55022	86	14.95	13.95
2174119	EPS-15-24ℛ	24V @ 0.625A	2.5"x1.8"x0.94", overload protection for 135% rated output, EN55022	83	7.95	7.25
2164359	EPS-25-24ℛ	24V @ 1.05A	3"x2"x0.94", overload protection for 170% rated output, EN55022	88	11.95	10.95
2164691	EPS-65-24ℛ	24V @ 2.71A	4"x2"x1.1", overload protection for 160% rated output, EN55022	88	14.95	13.95

Class 2 Dimmable LED Drivers

⭐*LED Drivers Web Code: REK*

These are the most compact LED drivers on the market with a magnetic transformer core. They are equipped with one push-to-reset circuit breaker on the output which protects both the load and driver.

NEW MARKED IN PINK

- Acoustic humming and buzzing free
- Push-to-reset circuit breaker on the output
- 2 side knockouts
- Works with low-voltage TRIAC dimmers
- ETL and CSA listed
- NEMA 3R enclosure
- Class 2

Part No.	Mfr. Part No.	Output Voltage @ Current	Efficiency	Input Current @ Full Load	Size (L" x W" x H")	Figure	1	5
2199797	M50L12DC-AR	12VAC @ 4.3A	89.7%	0.410A	6.1 x 2.6 x 2.3	1	$59.95	$54.95
2199818	M60L12DC-AR	12VAC @ 4.8A	89.2%	0.540A	6.1 x 2.6 x 2.3	1	64.95	59.95
2199658	M60L12DC-AR	12VDC @ 4.8A	89.2%	0.540A	6.1 x 2.6 x 2.3	1	74.95	69.95
2199973	M150L12DC-AR	12VDC @ 13.3A	80.0%	0.540A	9.8 x 3.0 x 3.0	2	84.95	79.95
2199666	M60L24DC-AR	24VDC @ 2.4A	85.0%	0.898A	6.6 x 2.3 x 2.6	1	74.95	69.95
2199674	M96L24DC-AR	24VDC @ 4.0A	89.6%	1.950A	6.6 x 2.3 x 2.6	1	79.95	74.95

Fig. 1

Fig. 2